ALPINE

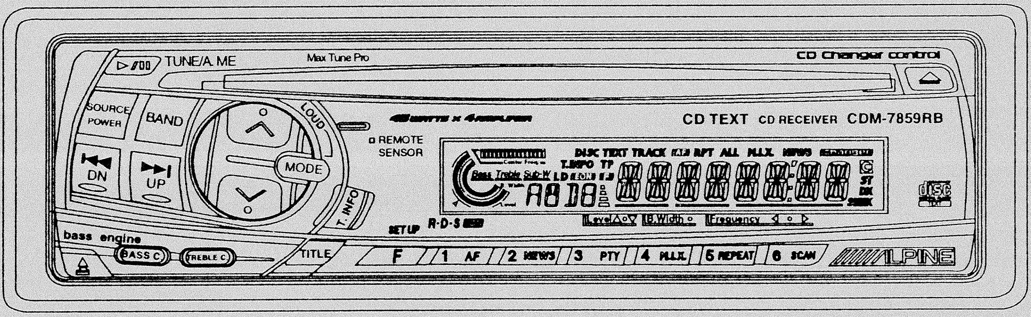
SERVICE MANUAL

FM/MW/LW/RDS

Compact Disc Receiver

COMPACT
disc
DIGITAL AUDIO
TEXT

- The model described in this manual is developed from Model CDA-7873R. For information that is not mentioned in this service manual, refer to the Service Manual • CDA-7873R (Part No. 68E32156S01).


TUNE/A.ME
Max Tune Pro
CD Changer control
SOURCE POWER
BAND
LOUD
REMOTE SENSOR
CD TEXT CD RECEIVER CDM-7859RB
DN
UP
MODE
T.INFO
SET UP
R·D·S
Level
B.Width
Frequency
bass engine
BASS C
TREBLE C
TITLE
F
1 AF
2 NEWS
3 PTY
4 M.I.X.
5 REPEAT
6 SCAN
ALPINE

(CDM-7859RB)

CDM-7859RB/CDM-7858RB/ CDM-7856R/CDM-7856RM

Contents

Packing Assembly Parts List 3
Packing Method View 3
Specifications 4, 5
Adjustment Procedures 6, 7
Block Diagram 8
Parts Layout on P.W.Boards and Wiring Diagram .... 9~16
Schematic Diagram .... 17~30
Terminal Voltage of IC/TR .... 31~33
Description of IC Terminal 34, 35
Electrical Parts List .... 36~43
Cabinet Assembly Parts List 44
Exploded View (Cabinet) 45, 46

Extension Cable
Parts Layout on P.W.Boards and Wiring Diagram (Only CD Deck Mechanism)
Schematic Diagram (Only CD Deck Mechanism)
Terminal Voltage of IC/TR (Only CD Deck Mechanism)
Description of IC Terminal (Only DP23S07A)
Exploded View (CD Deck Mechanism) (DP23S07A)
CD Deck Mechanism Assembly Parts List

Refer to the Service
Manual • CDA-7873R
(Part No. 68E32156S01).

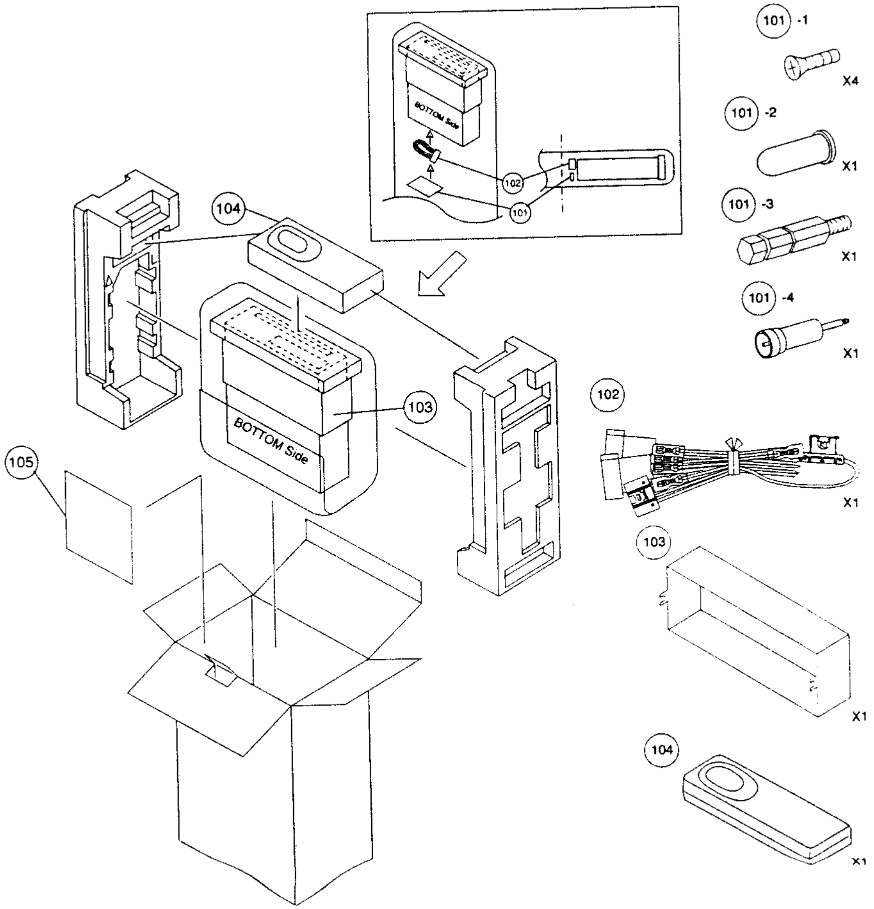
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03S72235F13	SCR,MCH M5X8 FLAT
101-2	36A11113W01	CAP,RUBBER(A)
101-3	03A11112W01	BOLT,HEX,M5(A)
101-4	01T15394Y02	ANT,JASO-ISO
102	01T15359Y03	ASSY,ISO CONN 7837R0

Symbol No.	Part No.	Description
103	15D00529K01	CASE,INNER
104	15D01798K01	CARRYING,CASE
105	68P01434K36	O/M AOEU AODN

Packing Method View



Specifications

<FM RADIO>

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	20.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	20.2dBf
Residual Noise (Ref. 400Hz (WID), at 98.1MHz)	25±10dB
S/N Ratio (at 98.1MHz)	Stereo : 50dB Mono : 55dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dBμ, at 98.1MHz)	1%
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB 10kHz : -12±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	36.2dBf

<MW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	34dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 603kHz)	40dB
IF Rejection (at 603kHz)	50dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB 4kHz : -12+4, -8dB

<LW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	153~281kHz
Usable Sensitivity (20dB S/N, at 216kHz)	38dB
S/N Ratio (at 216kHz)	45dB
Image Rejection (at 270kHz)	40dB
IF Rejection (at 162kHz)	50dB
Distortion (at 216kHz)	1.5%
Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3±4dB 4kHz : -12+4, -8dB

<CD SECTION>

System	Optical (Compact Disc System)
Quantizing Bit Number	*16bit Linear system*
Channels	2 Channels
Channel Balance (1kHz)	0±3dB
Distortion (1kHz)	0.1%
Frequency Response (Ref. 1kHz)	17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : 0±4dB
S/N Ratio	95dB
Separation (1kHz)	55dB
De-Emphasis (Ref. 1kHz)	4kHz : -20±3dB 16kHz : -20±3dB

<GENERAL>

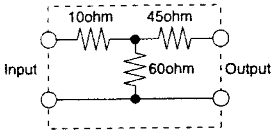
Power Supply	DC14.4V
Power Output (T.H.D. 10%, TCD-782 (0dB, 1kHz)) /Impedance	16W/ch/4ohm
Pre Output (T.H.D. 1%, TCD-782 (0dB, 1kHz), SUB-W : OFF) /Impedance	2V±2.5dBV/10Kohm
Dimensions (W×H×D)	Chassis : 178×50×158mm Nose : 188×58×25mm
Weight	1.5kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

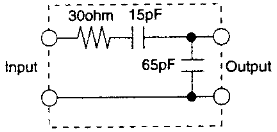
Adjustment Procedures

1. FM/AM SECTION

(1) Dummy Antenna Circuit


10ohm
45ohm
Input
60ohm
Output

For 50 ohm FM Signal Generator Figure 1


30ohm
15pF
Input
65pF
Output

For 50 ohm AM Signal Generator Figure 2

(2) Connections

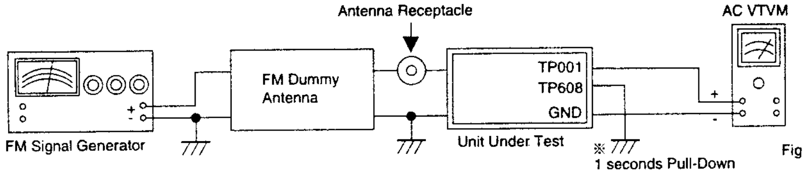

Antenna Receptacle
AC VTVM
FM Dummy Antenna
TP001
TP608
GND
+
-
FM Signal Generator
Unit Under Test
※
1 seconds Pull-Down

Figure 3

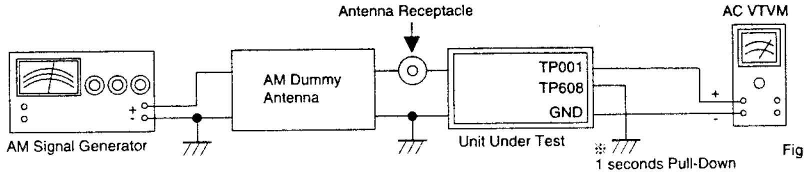

Antenna Receptacle
AC VTVM
AM Dummy Antenna
TP001
TP608
GND
+
-
AM Signal Generator
Unit Under Test
※
1 seconds Pull-Down

Figure 4

(3) Control Settings

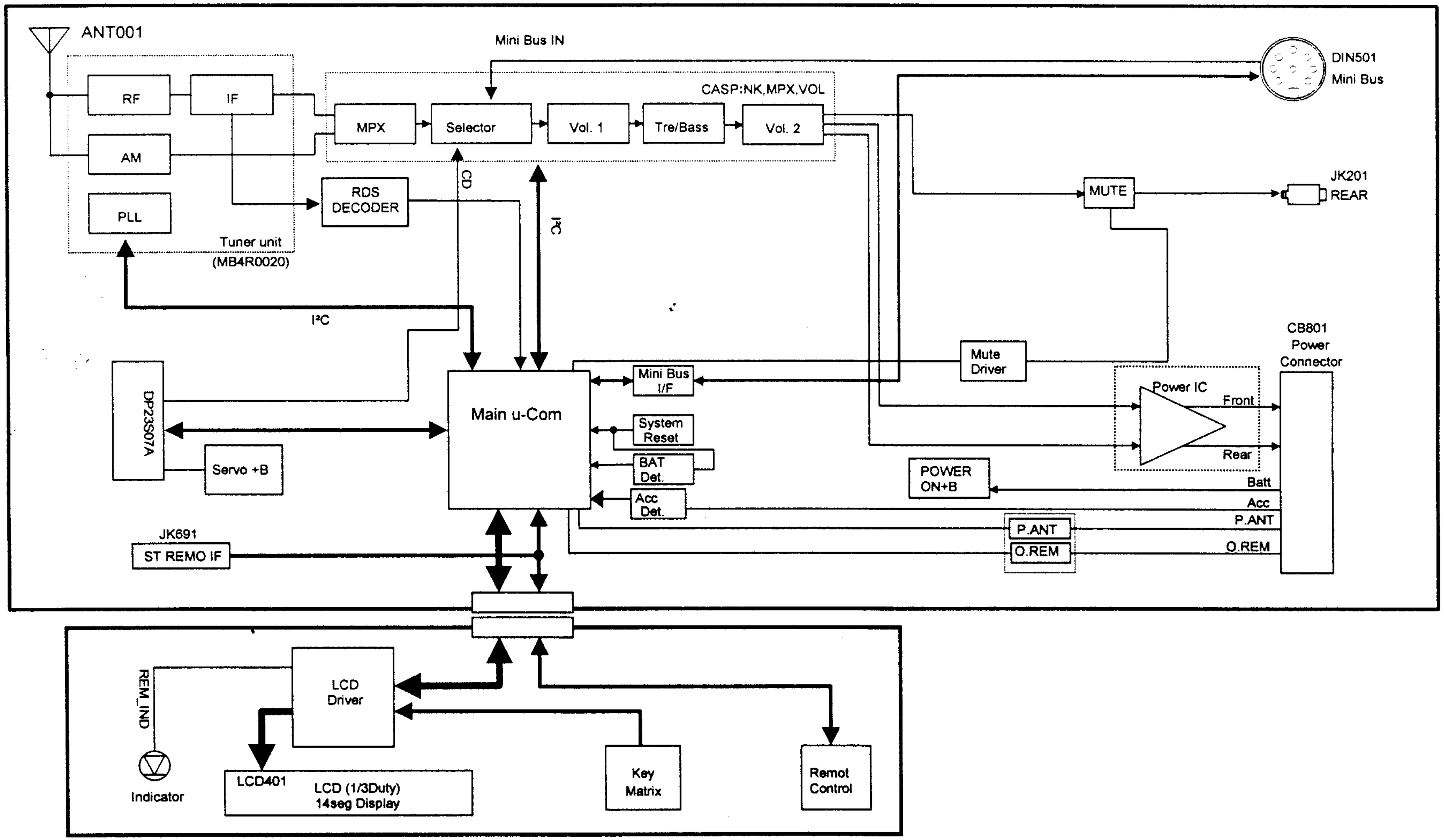
Power Switch	ON	Band Switch	FM/AM (MW/LW)
Fader Control	Center Position	LOUD/SUB-W	OFF
Balance Control	Center Position	Others	OFF

(4) Adjustment Procedures

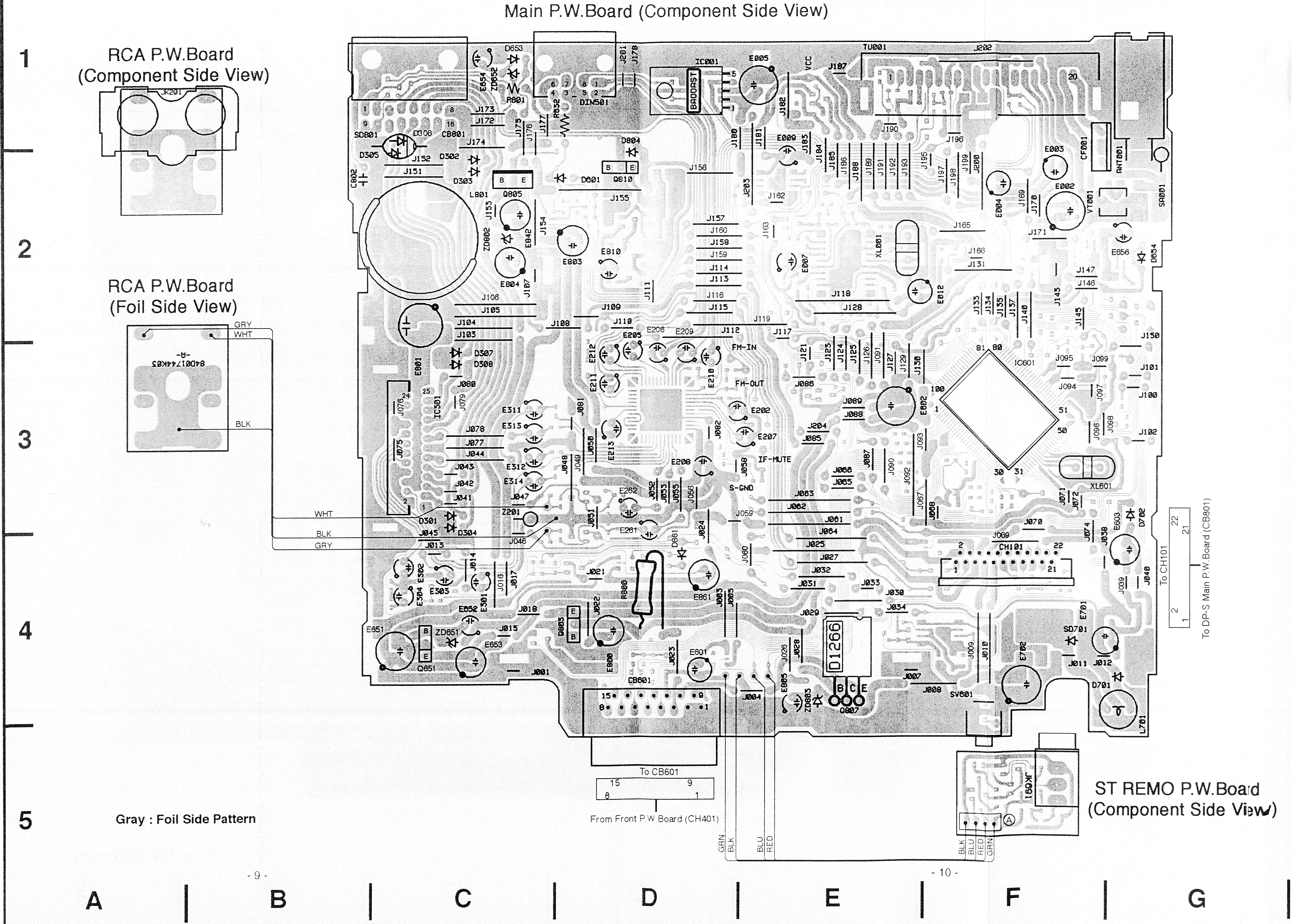
Step	Description	Connection	Signal Generator	Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	FM Seek Stop Auto Adjustment	Figure 3	87.5MHz, 26dBμ (Mod. OFF)	87.5MHz	TP001 (1-D) TP608 (3-B)	Auto Adjustment : After setting up of Signal Genarator. short GND and TP608 (Pull-Down) for 1 seconds. (SPEC) 1.5±0.1V
2	MM Seek Stop Auto Adjustment	Figure 4	999kHz, 34dBμ (Mod. OFF)	999kHz	TP001 (1-D) TP608 (3-B)	Auto Adjustment : After setting up of Signal Genarator. short GND and TP608 (Pull-Down) for 1 seconds. (SPEC) 1.0±0.1V
3	LM Seek Stop Auto Adjustment	Figure 4	216kHz, 34dBμ (Mod. OFF)	216kHz	TP001 (1-D) TP608 (3-B)	Auto Adjustment : After setting up of Signal Genarator. short GND and TP608 (Pull-Down) for 1 seconds. (SPEC) 1.0±0.1V

CDM-7859RB/CDM-7858RB/ CDM-7856R/CDM-7856RM

Block Diagram


ANT001
RF
IF
AM
PLL
Tuner unit
(MB4R0020)
RDS DECODER
Mini Bus IN
CASP:NK,MPX,VOL
MPX
Selector
Vol. 1
Tre/Bass
Vol. 2
CD
I²C
I²C
DIN501
Mini Bus
MUTE
JK201
REAR
Mute Driver
CB801
Power Connector
Power IC
Front
Rear
Main u-Com
Mini Bus I/F
System Reset
BAT Det.
Acc Det.
DP23S07A
Servo +B
POWER ON+B
Batt
Acc
P.ANT
O.REM
P.ANT
O.REM
JK691
ST REMO IF
REM_IND
Indicator
LCD Driver
LCD401
LCD (1/3Duty)
14seg Display
Key Matrix
Remot Control

Parts Layout on P.W.Boards and Wiring Diagram (1/4)


Main P.W.Board (Component Side View)
RCA P.W.Board
(Component Side View)
JK201
RCA P.W.Board
(Foil Side View)
84D017 44K03
-A-
GRY
WHT
BLK
WHT
BLK
GRY
ST REMO P.W.Board
(Component Side View)
JK901
A
BLK
BLU
RED
GRN
GRN
BLK
BLU
RED
To CB601
15
9
8
1
From Front P.W Board (CH401)
To CH101
22
21
2
1
To DP-S Main P.W.Board (CB801)
TU001
J202
IC001
BADRST
E005
VCC
J187
DIN501
J201
J178
D653
E654
ZD652
R801
R832
J173
J172
J174
J175
J176
J177
SD801
D306
CB801
D305
J152
D302
J151
D303
C802
L801
Q805
D804
D801
Q810
J155
J156
J180
J181
J182
E009
J183
J184
J185
J186
J188
J189
J191
J192
J193
J195
J197
J198
J199
J200
J196
J190
E003
E002
E004
CF001
ANT001
SR001
VT001
J169
J170
J171
J165
J166
J131
E656
D654
J147
J146
J203
J162
J163
J157
J160
J158
J159
J114
J113
J116
J115
E007
XL001
E012
J118
J128
J133
J134
J135
J137
J140
J143
J145
J150
J153
ZD802
E842
J154
E803
E810
E804
J107
J106
J105
J104
J103
J108
J109
J110
J111
J112
J117
J119
E206
E209
E205
E212
E211
E210
E213
FM-IN
FM-OUT
E202
E207
E208
IF-MUTE
S-GND
E801
D307
D308
IC501
J076
J075
J079
J080
J081
E311
E313
E312
E314
J078
J077
J044
J043
J042
J041
J047
J048
J049
J050
J051
J052
J053
J055
J056
J058
J082
J121
J123
J124
J125
J126
J091
J127
J129
J130
J086
J089
J088
J204
J085
J087
J090
J092
J093
J066
J065
J063
J062
J061
J064
J025
J027
J032
J031
J033
J030
J034
J029
J059
J060
J024
E262
E261
D861
Z201
D301
J045
D304
J013
J046
E502
E504
E503
J014
J016
J017
E301
E652
J018
J021
J022
R800
E861
J003
J005
E651
Q651
ZD651
E653
J015
Q805
E800
J023
E601
CB601
J001
J004
E805
ZD803
J026
J028
D1266
Q807
B C E
J007
J008
SV601
J009
J010
E702
J011
J012
SD701
E701
D701
L701
IC601
81 80
100
1
51
50
30 31
E602
J095
J099
J094
J097
J096
J098
J101
J100
J102
XL601
J067
J068
J071
J072
J070
J069
CH101
2
22
1
21
J074
J038
E603
D702
J039
J040
1
2
3
4
5
A
B
C
D
E
F
G

Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (2/4)

1

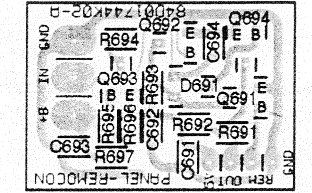
2

3

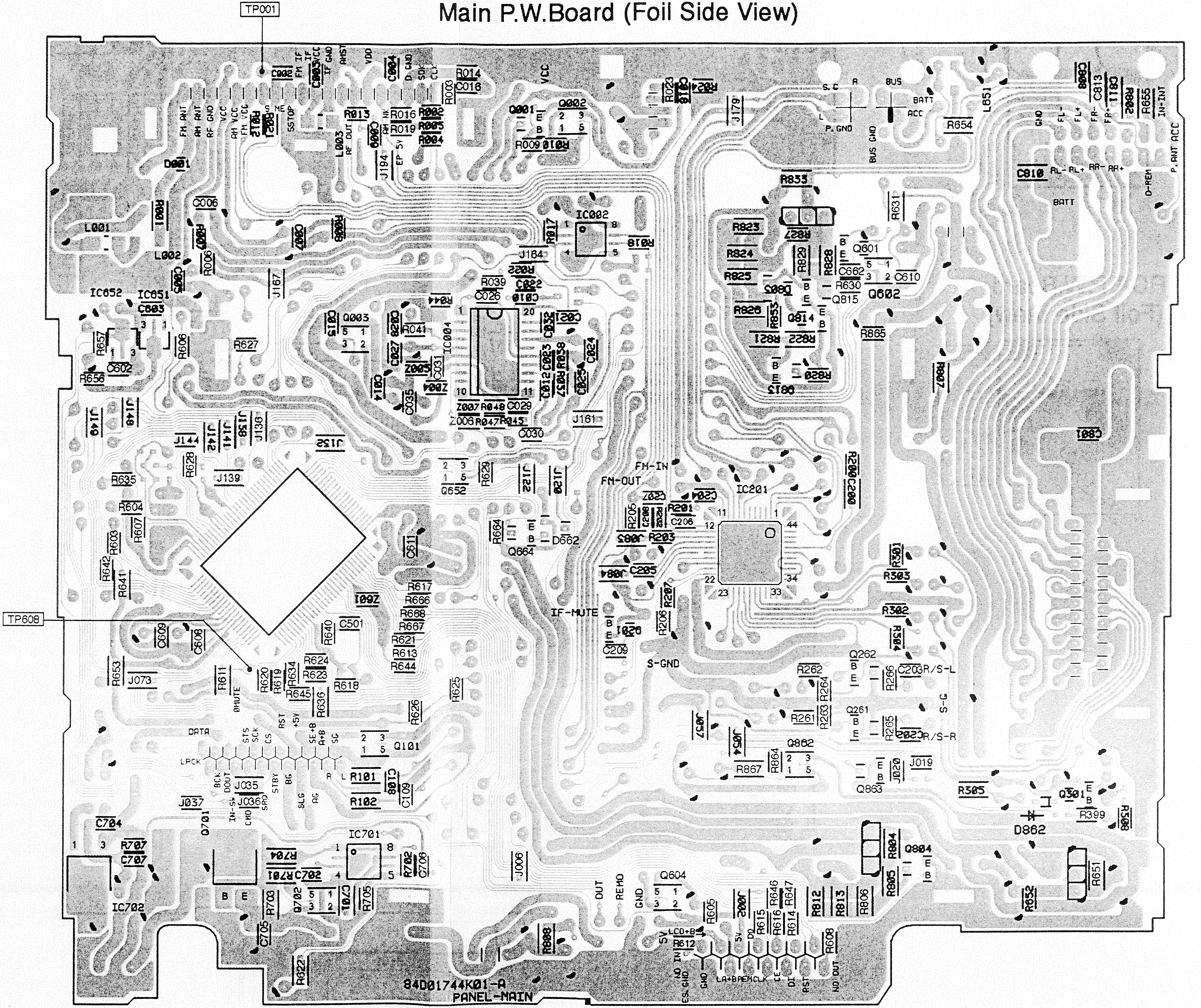
4

5

ST REMO P.W.Board (Foil Side View)


84D01744K02-A
PANEL-REMOCON
Q694
Q692
R694
C694
Q693
R693
D691
Q691
R695
R696
C692
R692
R691
C693
R697
C691
+B
IN
GND
REM OUT

Main P.W.Board (Foil Side View)


TP001
TP608
84D01744K01-A
PANEL-MAIN
FM ANT
AM ANT
RF GND
VCC
AM VCC
FM VCC
SSTOP
IF GND
AMST
VDD
D.GND
CLK
VCC
S.C
R
BUS
BATT
ACC
P.GND
BUS GND
GND
FL-
FL+
FR-
FR+
IN+INT
P.ANT ACC
RL-
RL+
RR-
RR+
D-REM
BATT
IC002
IC004
IC051
IC052
IC201
IC701
IC702
Q001
Q002
Q003
Q101
Q261
Q262
Q301
Q601
Q602
Q604
Q652
Q664
Q701
Q702
Q804
Q814
Q815
Q862
Q863
D001
D662
D862
L001
L002
L003
L651
FM-IN
FM-OUT
IF-MUTE
S-GND
R/S-L
R/S-R
S-C
DATA
LPCK
STS
SCK
CS
RST
+5V
SE+B
A+B
SG
BCK
DOUT
STBY
BG
SLG
RG
0MUTE
OUT
REMO
GND
LCD+B
5V
DO
NO IN
ES GND
LA+B
REMCLK
CE
DI
RST
NO OUT
J006
J073
J139
J144
J152
J161
J179
J184

Gray : Foil Side Pattern

A | B | C | D | E | F | G

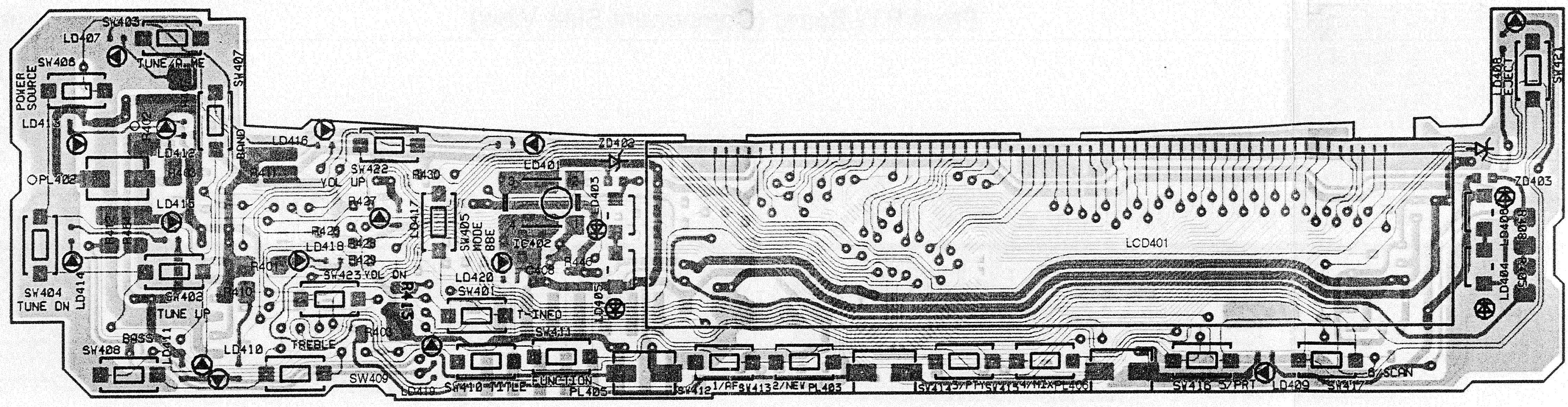
Parts Layout on P.W.Boards and Wiring Diagram (3/4)

(CDM-7859RB/CDM-7858RB Model Only)

1

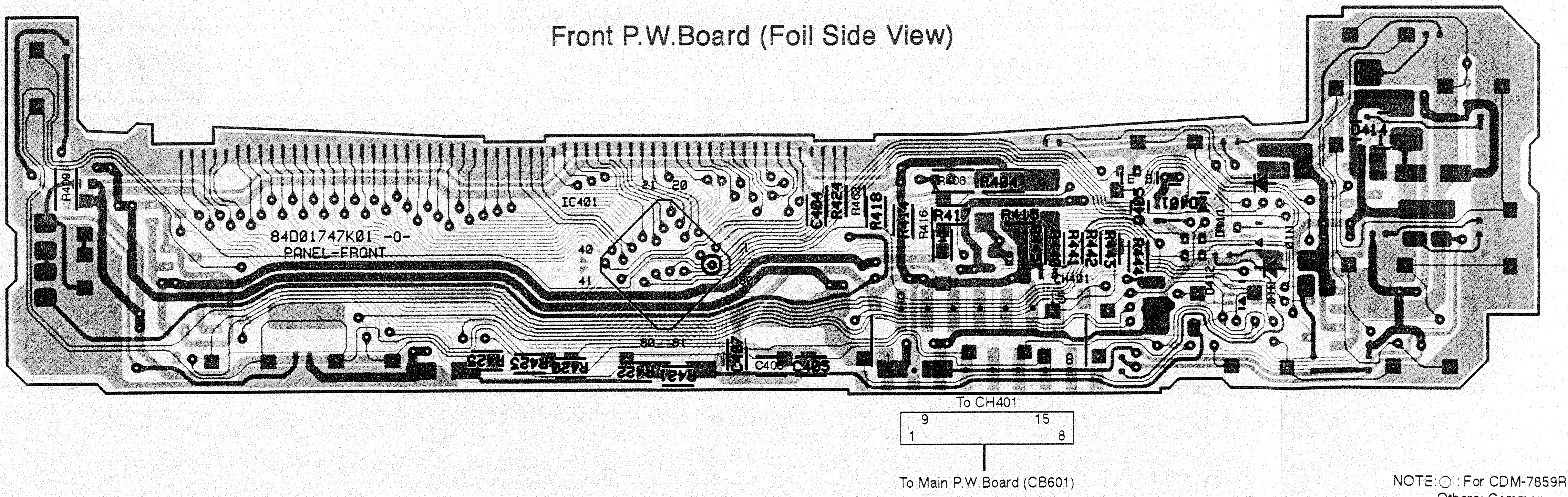
2

Front P.W.Board (Component Side View)


SW403
LD407
TUNE/A.ME
SW406
POWER SOURCE
SW407
LD413
LD412
BAND
LD416
SW422
VOL UP
R430
ZD402
LD401
OPL402
LD415
R427
LD417
SW405
MODE
BBE
IC402
LD405
R428
R429
LD418
R426
SW423 VOL DN
R401
R410
LD420
SW401
T-INFO
SW411
SW404
TUNE DN
LD414
SW402
TUNE UP
R413
R403
BASS
SW408
LD411
LD410
TREBLE
SW409
LD419
SW410 TITLE
FUNCTION
PL405
SW412 1/RF
SW413 2/NEW
PL403
SW414 3/PTY
SW415 4/MIX
PL406
SW416 5/PRT
LD409
SW417 6/SCAN
LCD401
LD408
EJECT
SW421
ZD403
LD404
LD406

3

Front P.W.Board (Foil Side View)


R409
IC401
21
20
40
41
60
61
80
1
84D01747K01 -0-
PANEL-FRONT
C404
R424
R402
R418
R416
R406
R404
R417
R415
R411
R412
R441
R442
R443
R444
CH401
IC403
D412
R425
R423
R420
R422
R431
C407
C406
C405
8
15
D414
To CH401
9
15
1
8
To Main P.W.Board (CB601)

4

NOTE: ○ : For CDM-7859RB Model Only.
Others: Common.

5

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

A | B | C | D | E | F | G

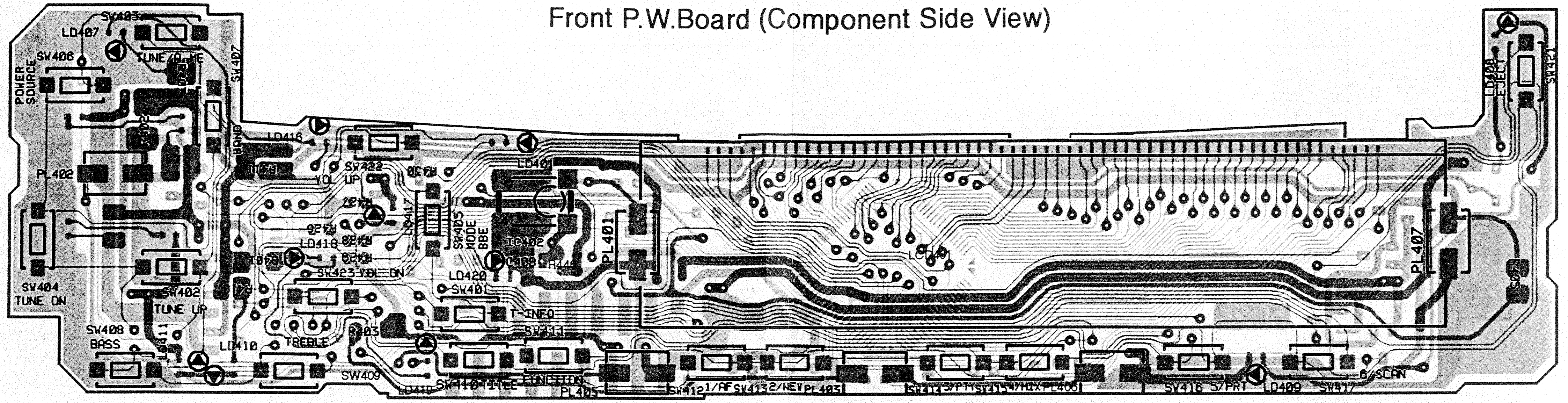
Parts Layout on P.W.Boards and Wiring Diagram (4/4)

(CDM-7856R/CDM-7856RM Model Only)

1

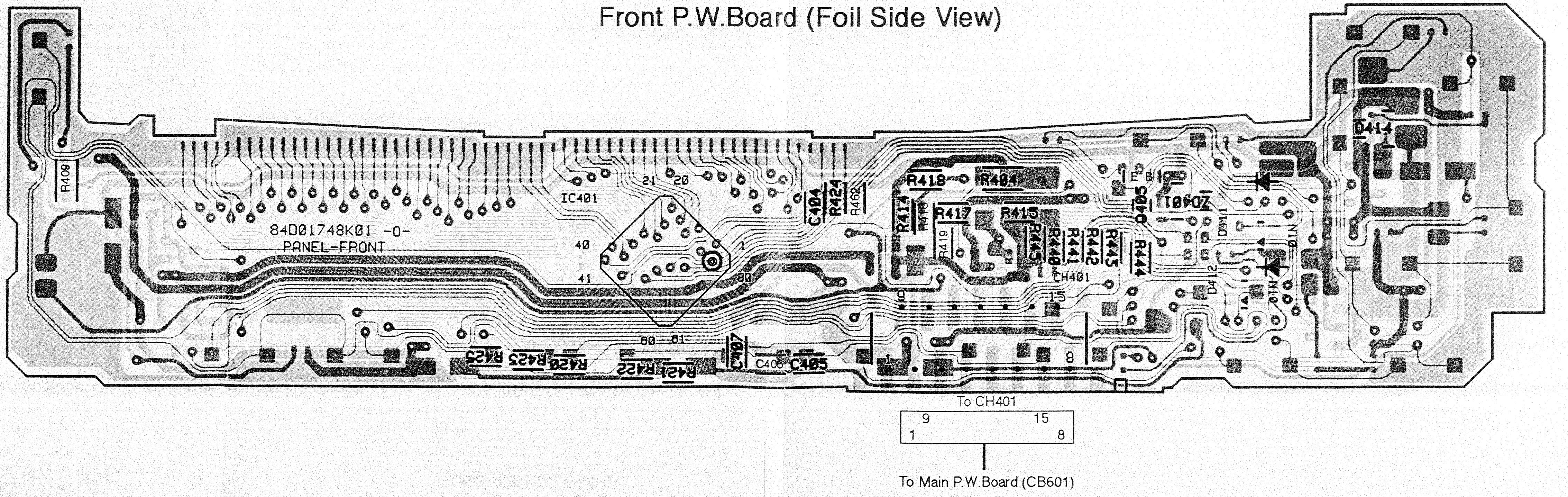
2

Front P.W.Board (Component Side View)


SW403
LD407
SW406
POWER SOURCE
TUNE/P.ME
SW407
PL402
BAND
LD416
SW422
VOL UP
LD401
SW405
MODE
LD417
LD418
IC402
SW423
VOL DN
LD420
SW401
PL401
LCD401
PL407
LD408
EJECT
SW421
SW404
TUNE DN
SW402
TUNE UP
SW408
BASS
LD411
LD410
TREBLE
R403
T-INFO
SW411
SW409
SW418
TITLE
FUNCTION
PL405
SW412 1/AF
SW413 2/NEW
PL403
SW414 3/PTY
SW415 4/MIX
PL406
SW416 5/PRT
LD409
SW417 6/SCAN

3

Front P.W.Board (Foil Side View)


R409
84D01748K01 -0-
PANEL-FRONT
IC401
21
20
40
41
1
80
60
61
C404
R424
R462
R418
R404
R414
R416
R417
R419
R415
R443
R440
R441
R442
R445
R444
CH401
9
15
8
D405
T0101Z
D414
D412
D410
R425
R420
R422
R421
C407
C406
C405
To CH401
9
15
1
8
To Main P.W.Board (CB601)

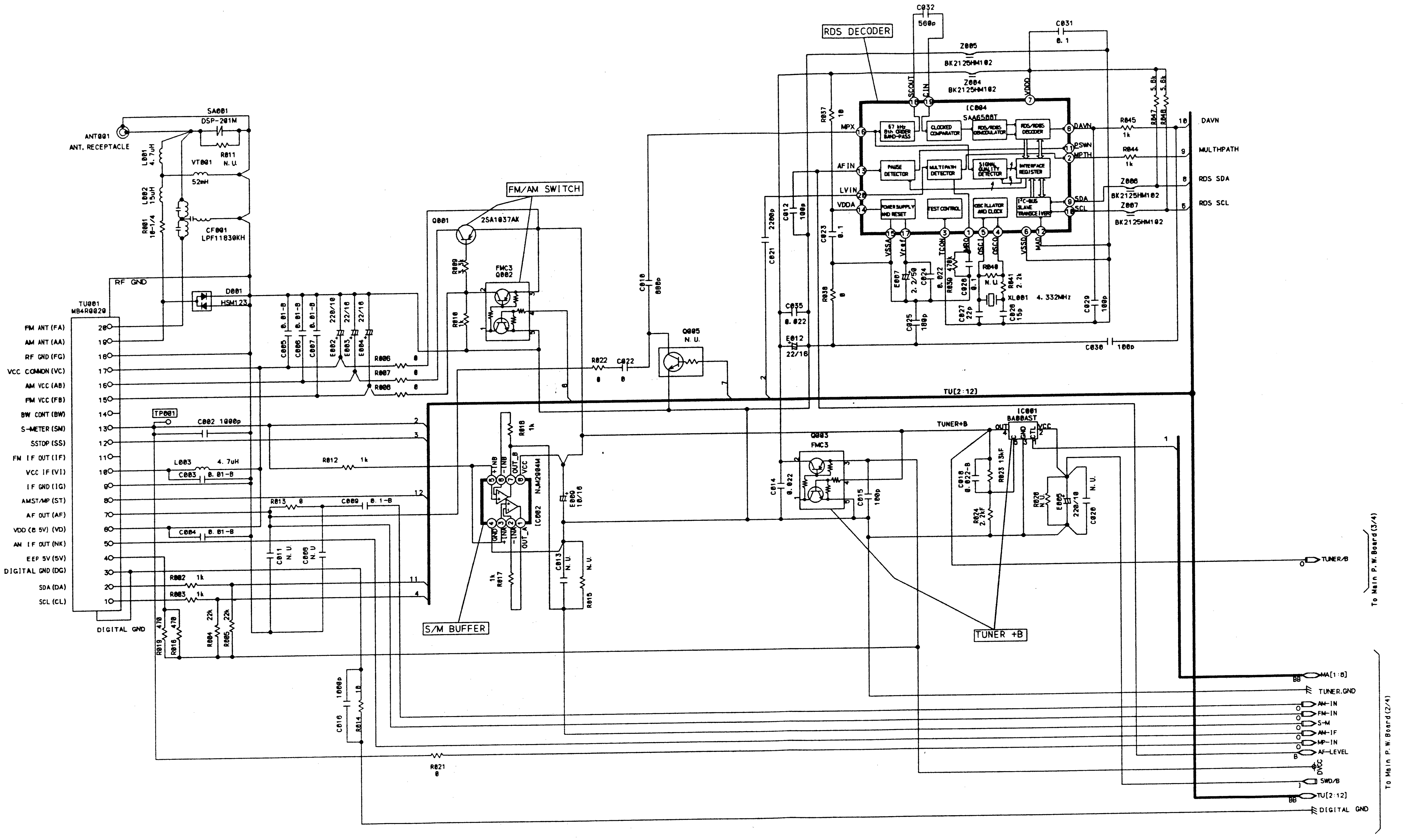
4

5

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

A | B | C | D | E | F | G

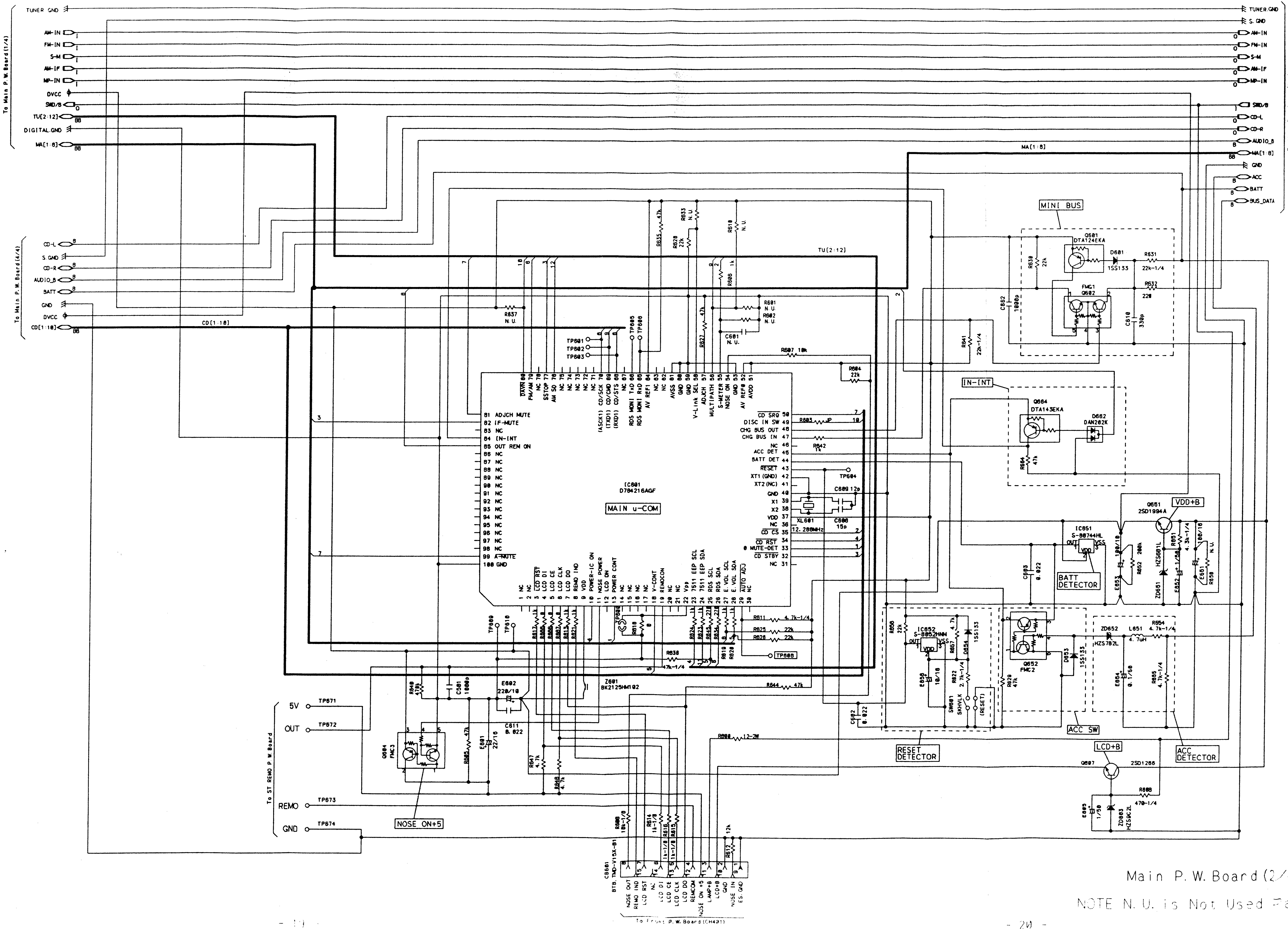
chematic Diagram (1/7)


ANT001
ANT. RECEPTACLE
SA001
DSP-201M
R011
N.U.
L001
4.7uH
VT001
52mH
L002
15uH
R001
10-1/4
CF001
LPF11830KH
RF GND
D001
HSM123
TU001
MB4R0020
FM ANT (FA) 20
AM ANT (AA) 19
RF GND (FG) 18
VCC COMMON (VC) 17
AM VCC (AB) 16
FM VCC (FB) 15
BW CONT (BW) 14
S-METER (SM) 13
SSTOP (SS) 12
FM IF OUT (IF) 11
VCC IF (VI) 10
IF GND (IG) 9
AMST/MP (ST) 8
AF OUT (AF) 7
VDD (8.5V) (VD) 6
AM IF OUT (NK) 5
EEP 5V (5V) 4
DIGITAL GND (DG) 3
SDA (DA) 2
SCL (CL) 1
DIGITAL GND
C005 0.01-B
C006 0.01-B
C007 0.01-B
E002 220/10
E003 22/16
E004 22/16
R006 0
R007 0
R008 0
TP001
C002 1000p
L003 4.7uH
C003 0.01-B
R012 1k
R013 0
C009 0.1-B
C004 0.01-B
C011 N.U.
C008 N.U.
R002 1k
R003 1k
R019 470
R016 470
R004 22k
R005 22k
C016 1000p
R014 10
R021 0
FM/AM SWITCH
Q001
2SA1037AK
R009 3.3k
FMC3
Q002
R010 1k
R022 0
C022 0
C010 800p
Q005
N.U.
C021 2200p
S/M BUFFER
R018 1k
+INB -INB OUT_B VCC
NJM2904M
IC002
GND +INA -INA OUT_A
E009 10/16
R017 1k
C013 N.U.
R015 N.U.
RDS DECODER
C032 560p
C031 0.1
Z005 BK2125HM102
Z004 BK2125HM102
SCOUT CIN VDDD
IC004
SAA6588T
R037 10
MPX
AFIN
LVIN
VDDA
57 kHz 8th ORDER BAND-PASS
CLOCKED COMPARATOR
RDS/RBDS DEMODULATOR
RDS/RBDS DECODER
PAUSE DETECTOR
MULTIPATH DETECTOR
SIGNAL QUALITY DETECTOR
INTERFACE REGISTER
POWER SUPPLY AND RESET
TEST CONTROL
OSCILLATOR AND CLOCK
I²C-BUS SLAVE TRANSCEIVER
DAVN PSWN MPTH SDA SCL
VSSA Vref TCON MRO OSCI OSCO VSSD MAD
C012 100p
C023 0.1
R038 0
E007 2.2/50
C024 0.022
R039 470k
C026 0.1
R040 N.U.
R041 2.2k
XL001 4.332MHz
C027 22p
C028 15p
C025 100p
C029 100p
C030 100p
C035 0.022
E012 22/16
R045 1k
R044 1k
R047 5.6k
R048 5.6k
Z006 BK2125HM102
Z007 BK2125HM102
10 DAVN
9 MULTHPATH
8 RDS SDA
6 RDS SCL
TU[2:12]
Q003
FMC3
C014 0.022
C015 100p
TUNER+B
IC001
BA00AST
OUT VCC GND CTL C
C019 0.022-B
R023 13kF
R024 2.2kF
R020 N.U.
E005 220/10
C020 N.U.
TUNER +B
TUNER/B
To Main P.W. Board (3/4)
MA[1:8]
TUNER.GND
AM-IN
FM-IN
S-M
AM-IF
MP-IN
AF-LEVEL
DVCC
SWD/B
TU[2:12]
DIGITAL GND
To Main P.W. Board (2/4)

Main P.W. Board (1/4)

NOTE: N.U. is Not Used Parts.

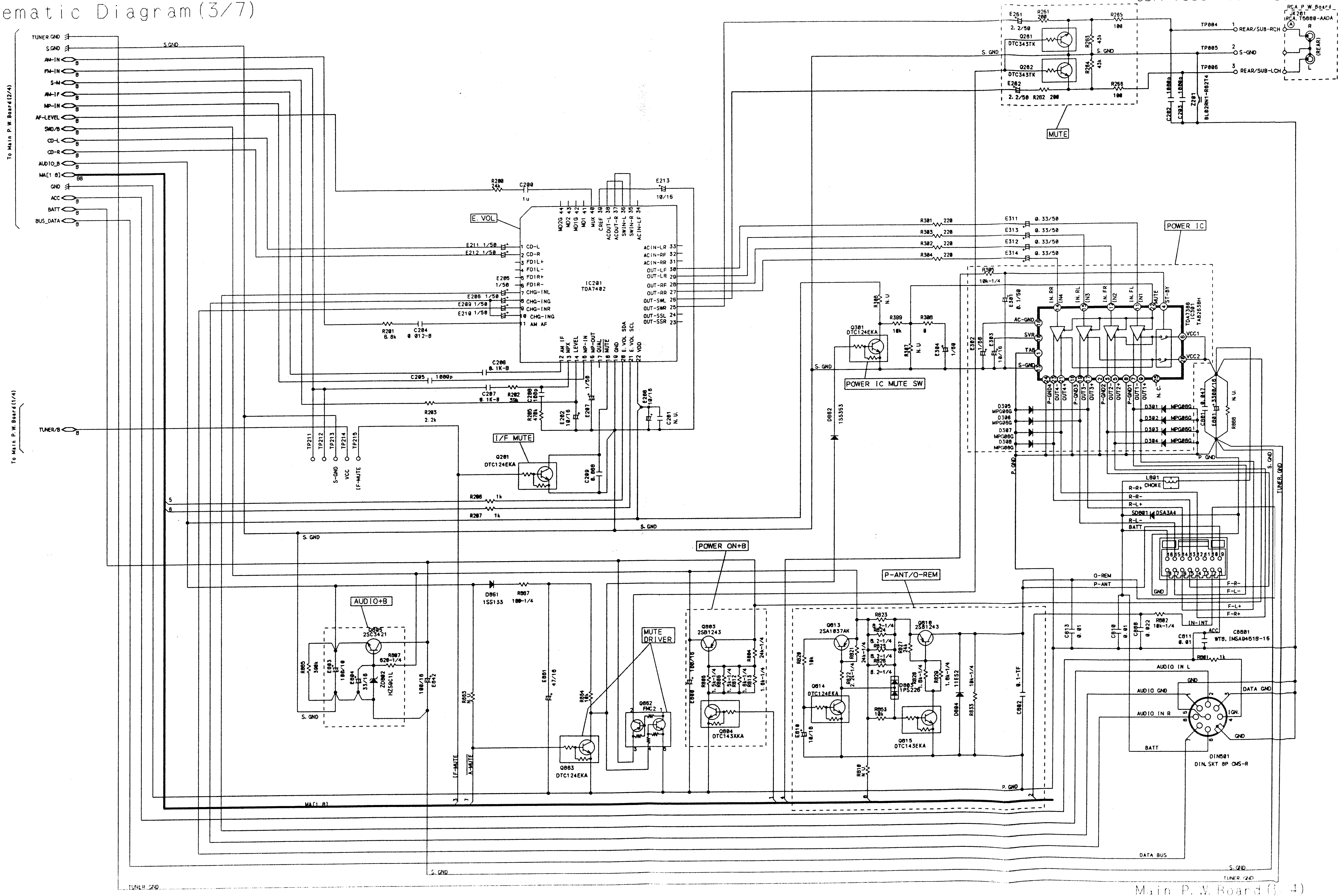
CDM-7859RB/CDM-7858RB/
CDM-7856R/CDM-7856RM
Schematic Diagram (2/7)


To Main P. W. Board (1/4)
TUNER GND
AM-IN
FM-IN
S-M
AM-IF
MP-IN
DVCC
SWD/B
TU[2:12]
DIGITAL GND
MA[1:8]
To Main P. W. Board (3/4)
TUNER GND
S.GND
CD-L
CD-R
AUDIO_B
GND
ACC
BATT
BUS_DATA
To Main P. W. Board (4/4)
S.GND
BATT
CD[1:10]
MINI BUS
Q601 DTA124EKA
D601 1SS133
R631 22k-1/4
FMG1 Q602
R632 220
C610 330p
C602 1000p
R641 22k-1/4
IN-INT
Q604 DTA143EKA
D602 DAN202K
R664 47k
IC601 D784216AGF
MAIN u-COM
XL601 12.288MHz
C609 12p
C608 15p
TP604
TP601
TP602
TP603
TP605
TP606
R637 N.U.
R601 N.U.
R602 N.U.
C601 N.U.
R607 10k
R604 22k
R605 N.U.
R633 N.U.
R610 N.U.
R615 47k
R620 22k
R606 1k
R627 47k
Q651 2SD1994A
VDD+B
IC651 S-80744HL
BATT DETECTOR
C603 0.022
R651 4.3k-1/4
R652 200k
ZD651 HZS6B1L
E651 100/10
E652 4.7-1/4
R658 N.U.
RESET DETECTOR
IC652 S-8052HNN
D654 1SS133
R657 4.7k
R656 22k
R622 2.7k-1/4
SW601 SKHVLK (RESET)
E656 10/10
C602 0.022
ACC SW
Q652 FMC2
D653 1SS133
R629 47k
ACC DETECTOR
ZD652 HZS7B2L
L651 4.7uH
R654 4.7k-1/4
E654 0.1/50
R655 4.7k-1/4
LCD+B
Q607 2SD1266
R608 470-1/4
E605 1/50
ZD603 HZS9C2L
R611 4.7k-1/4
R625 22k
R626 22k
R638 47k-1/4
R644 47k
R609 12-2W
TP608
TP609
TP610
Z601 BK2125HM102
E602 220/10
C611 0.022
C581 1000p
R640 470
R685 47k
E681 22/16
R647 4.7k
R648 4.7k
Q604 FMC3
NOSE ON+5
To ST REMO P. W. Board
5V TP671
OUT TP672
REMO TP673
GND TP674
CN601 BTB TMD-V15X-01
R680 10k-1/8
R614 1k-1/8
R616 1k-1/8
R615 1k-1/8
R612 12k
NOSE OUT
REMO IND
LCD RST
NC
LCD DI
LCD CE
LCD CLK
LCD DO
REMOCON
NOSE ON +5
LAMP+B
LCD+B
GND
NOSE IN
ES.GND
To Front P. W. Board (CN421)

Main P. W. Board (2/4)

NOTE N. U. is Not Used Parts.

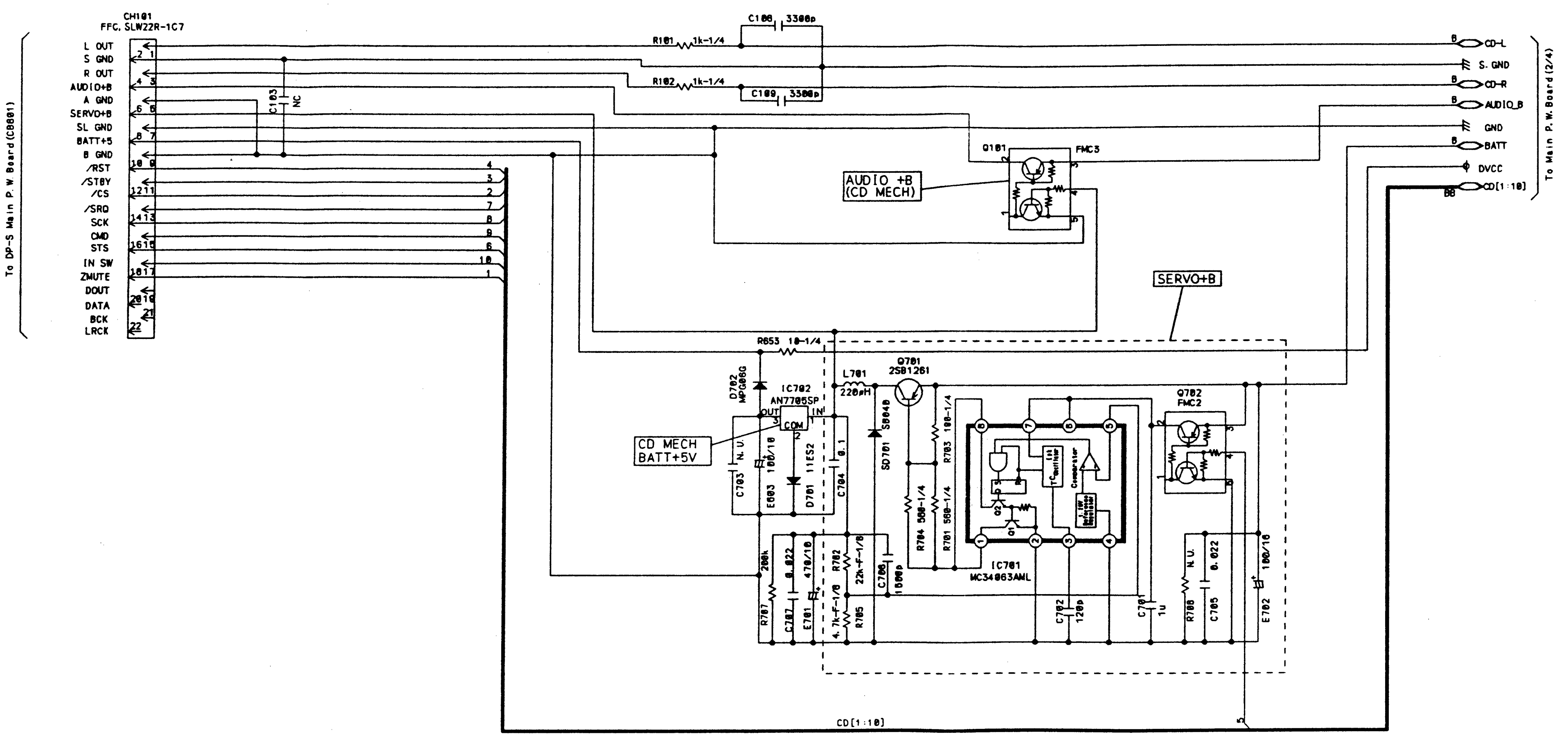
chematic Diagram (3/7)


To Main P.W. Board (2/4)
TUNER GND
S.GND
AM-IN
FM-IN
S-M
AM-IF
MP-IN
AF-LEVEL
SWD/B
CD-L
CD-R
AUDIO_B
MA[1 8]
GND
ACC
BATT
BUS_DATA
To Main P.W. Board (1/4)
TUNER/B
E. VOL
IC201
TDA7402
R200 24k
C200 1u
E213 10/16
E211 1/50
E212 1/50
E205 1/50
E206 1/50
E209 1/50
E210 1/50
R201 6.8k
C204 0.012-B
C206 0.1K-B
C205 1000p
C207 0.1K-B
R202 39k
C208 1000p
R205 470k
R203 2.2k
E202 10/16
E207 1/50
E208 10/16
C201 N.U.
TP211
TP212
TP213
TP214
TP215
S-GND
VCC
IF-MUTE
I/F MUTE
Q201
DTC124EKA
C209 0.068
R206 1k
R207 1k
S.GND
MUTE
E261 2.2/50
R261 200
Q261 DTC343TK
Q262 DTC343TK
E262 2.2/50
R262 200
R263 43k
R264 43k
R265 100
R266 100
TP004
TP005
TP006
REAR/SUB-RCH
S-GND
REAR/SUB-LCH
C282 1000p
C283 1000p
Z281 BLO2RN1-R62T4
RCA P.W Board
JK201
RCA, T6000-AADA
R
L
(REAR)
R301 220
R303 220
R302 220
R304 220
E311 0.33/50
E313 0.33/50
E312 0.33/50
E314 0.33/50
POWER IC
R305 10k-1/4
E301 0.1/50
IC301
TDA7386
TA8265BH
E302 1/50
E303 10/16
R306 N.U
R309 10k
R308 0
R307 N.U
E304 1/50
Q301
DTC124EKA
POWER IC MUTE SW
D302 1SS353
D301 MPG06G
D302 MPG06G
D303 MPG06G
D304 MPG06G
D305 MPG06G
D306 MPG06G
D307 MPG06G
D308 MPG06G
C801 0.047
C803 3300/16
R808 N.U.
P.GND
L801 CHOKE
R-R+
R-R-
R-L+
SD801 DSA3A4
R-L-
BATT
O-REM
P-ANT
F-R-
F-L-
F-L+
F-R+
IN-INT
R802 10k-1/4
ACC
C811 0.01
C8001 WTB, IMSA9461B-16
R801 1k
AUDIO IN L
GND
AUDIO GND
DATA GND
AUDIO IN R
IGN.
GND
BATT
DIN501
DIN, SKT 8P CMS-R
AUDIO+B
Q805 2SC3421
R807 620-1/4
R865 50k
E803 100/10
E804 33/16
ZD802 HZS9C1L
E842 100/10
D861 1SS133
R867 100-1/4
R863 N.U
E881 47/16
R864 10k
Q863 DTC124EKA
IF-MUTE
A-MUTE
MUTE DRIVER
Q862 FMC2
POWER ON+B
Q803 2SB1243
R804 24k-1/4
R805 5.6k-1/4
R806 5.6k-1/4
R812 1.0k-1/4
R813 1.0k-1/4
E805 100/16
Q804 DTC143XKA
P-ANT/O-REM
Q813 2SA1037AK
R823 8.2-1/4
R824 8.2-1/4
R825 8.2-1/4
R826 8.2-1/4
Q816 2SB1243
R820 10k
R821 24k-1/4
R822 2.4k-1/4
R827 24k
R828 1.0k-1/4
R829 1.0k-1/4
D803 1PS226
Q814 DTC124EKA
R853 10k
Q815 DTC143EKA
D804 11ES2
R833 10k-1/4
C802 0.1-TF
E810 10/16
R810 N.U
C813 0.01
C810 0.01
C808 0.022
P.GND
MA[1 8]
DATA BUS
S.GND
TUNER GND

NOTE: N.U. is Not Used Parts.

CDM-7859RB/CDM-7858RB/
CDM-7856R/CDM-7856RM

Schematic Diagram (4/7)

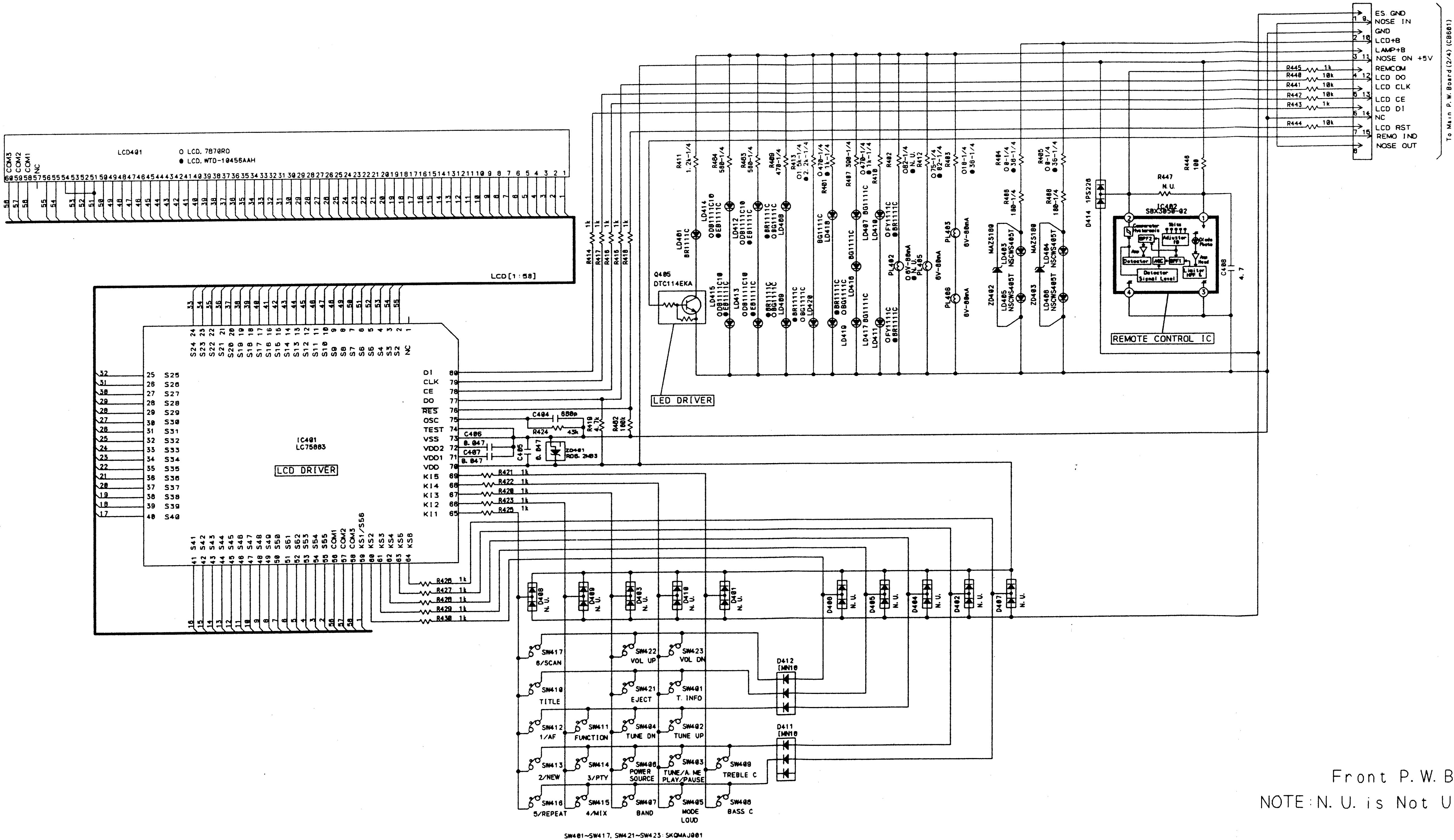

CH101
FFC, SLW22R-1C7
To DP-S Main P. W. Board (CB801)
L OUT
S GND
R OUT
AUDIO+B
A GND
SERVO+B
SL GND
BATT+5
B GND
/RST
/STBY
/CS
/SRQ
SCK
CMD
STS
IN SW
ZMUTE
DOUT
DATA
BCK
LRCK
C103
NC
R101 1k-1/4
C108 3300p
R102 1k-1/4
C109 3300p
Q101
FMC3
AUDIO +B (CD MECH)
SERVO+B
R653 10-1/4
D702 MPG06G
IC702 AN7705SP
OUT
IN
COM
CD MECH BATT+5V
C703 N.U.
E603 100/10
D701 11ES2
C704 0.1
L701 220μH
Q701 2SB1261
SB040 SD701
R703 100-1/4
R704 560-1/4
R701 560-1/4
IC701 MC34063AML
Comparator
1.25V Reference Regulator
Q702 FMC2
R707 200k
C707 0.022
E701 470/10
R702 22k-F-1/8
R705 4.7k-F-1/8
C706 1500p
C702 120p
C701 1u
R708 N.U.
C705 0.022
E702 100/10
CD[1:10]
CD-L
S. GND
CD-R
AUDIO_B
GND
BATT
DVCC
CD[1:10]
To Main P. W. Board (2/4)

Main P. W. Board (4/4)

NOTE: N. U. is Not Used Parts.

Schematic Diagram (5/7)

<CDE-7859RB/CDM-7858RB Model Only>


LCD401
O LCD, 7870RD
● LCD, WTD-10456AAH
COM3
COM2
COM1
NC
LCD[1:58]
IC401
LC75883
LCD DRIVER
DI
CLK
CE
DO
RES
OSC
TEST
VSS
VDD2
VDD1
VDD
KI5
KI4
KI3
KI2
KI1
C404 680p
R424 43k
R419 4.7k
R402 100k
C406 0.047
C407 0.047
C405 0.047
ZD401 RD6.2MB3
R421 1k
R422 1k
R420 1k
R423 1k
R425 1k
R426 1k
R427 1k
R428 1k
R429 1k
R430 1k
R414 1k
R417 1k
R416 1k
R415 1k
R418 1k
Q405
DTC114EKA
LED DRIVER
R411 1.2k-1/4
LD401 BR1111C
LD414 ODB1111C10 ●EB1111C
LD415 ODB1111C10 ●EB1111C
LD412 ODB1111C10 ●EB1111C
LD413 ODB1111C10 ●EB1111C
R409 470-1/4
LD408 OBG1111C ●BR1111C
LD409 OBG1111C ●BR1111C
LD420 ●BR1111C OBG1111C
LD418 BG1111C
LD419 BG1111C
LD407 BG1111C
LD410
LD411 BG1111C
LD416 OFY1111C ●BR1111C
LD417 OFY1111C ●BR1111C
PL402
PL403
PL405
PL406
6V-80mA
ZD402 MAZ5180
ZD403 MAZ5180
LD403 NSCW5405T
LD404 NSCW5405T
LD405 NSCW5405T
LD406 NSCW5405T
R406 180-1/4
R408 180-1/4
D414 1PS226
R447 N.U.
R448 100
IC402 SBX3050-02
C408 4.7
REMOTE CONTROL IC
CH401
BTB, TMD-V15P-A1
ES GND
NOSE IN
GND
LCD+B
LAMP+B
NOSE ON +5V
REMCOM
LCD DO
LCD CLK
LCD CE
LCD DI
NC
LCD RST
REMO IND
NOSE OUT
R445 1k
R440 10k
R441 10k
R442 10k
R443 1k
R444 10k
To Main P.W. Board (2/4) (CB601)
D408 N.U.
D409 N.U.
D403 N.U.
D410 N.U.
D401 N.U.
D406 N.U.
D405 N.U.
D404 N.U.
D402 N.U.
D407 N.U.
D412 IMN10
D411 IMN10
SW417 6/SCAN
SW418 TITLE
SW412 1/AF
SW413 2/NEW
SW416 5/REPEAT
SW411 FUNCTION
SW414 3/PTY
SW415 4/MIX
SW422 VOL UP
SW421 EJECT
SW404 TUNE DN
SW406 POWER SOURCE
SW407 BAND
SW423 VOL DN
SW401 T. INFO
SW402 TUNE UP
SW403 TUNE/A.ME PLAY/PAUSE
SW405 MODE LOUD
SW409 TREBLE C
SW408 BASS C
SW401~SW417, SW421~SW423: SKQMAJ001

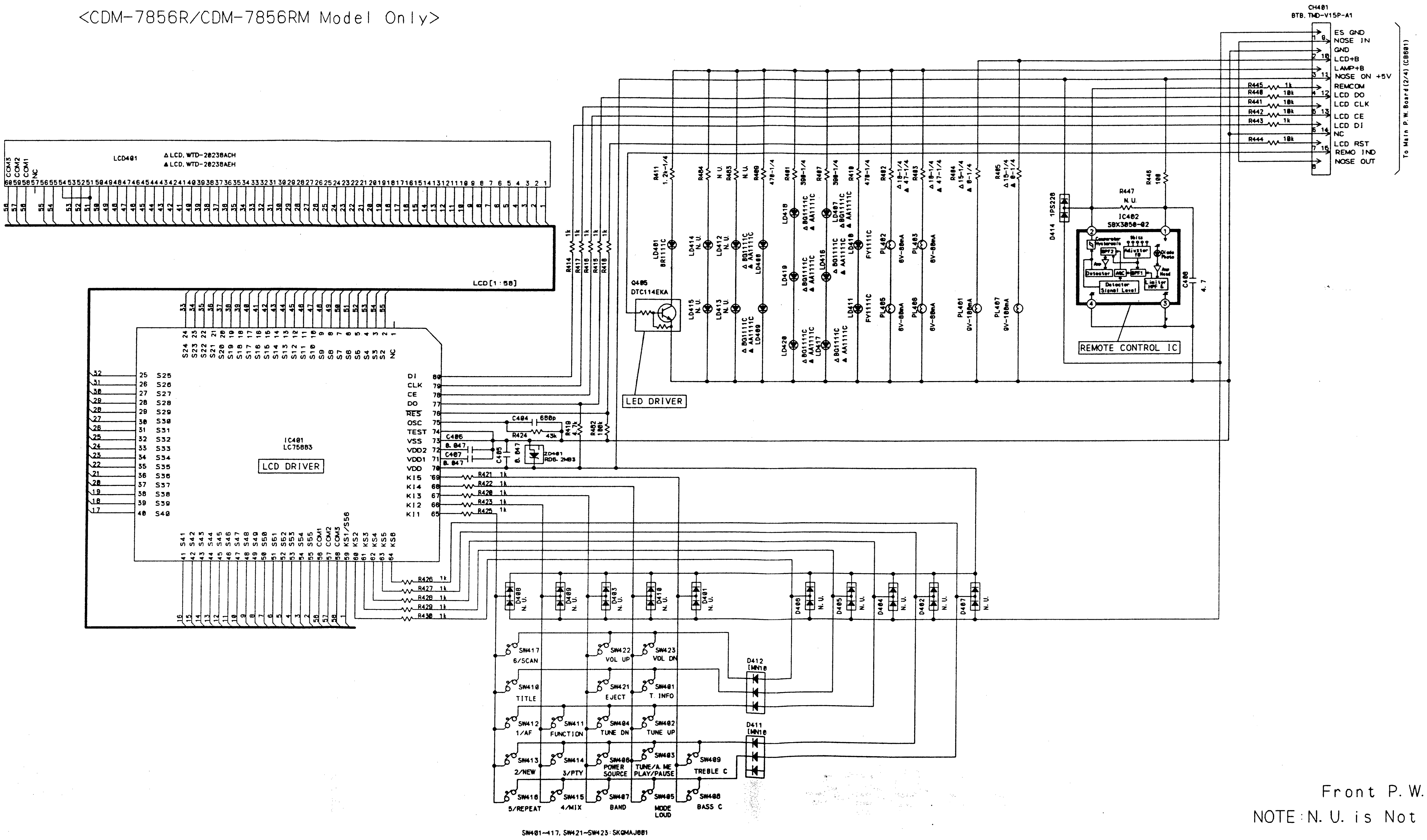
Front P. W. Board

NOTE: N. U. is Not Used Parts.

NOTE: O For CDM-7859RB Model Only.
● For CDM-7858RB Model Only.
Others Common.

Schematic Diagram (6/7)

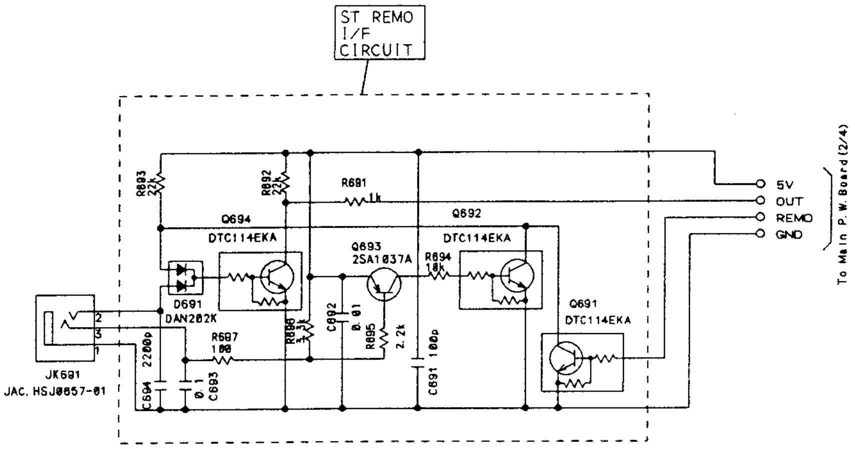
<CDM-7856R/CDM-7856RM Model Only>


CH401
BTB, TMD-V15P-A1
ES GND
NOSE IN
GND
LCD+B
LAMP+B
NOSE ON +5V
REMCOM
LCD DO
LCD CLK
LCD CE
LCD DI
NC
LCD RST
REMO IND
NOSE OUT
To Main P. W. Board(2/4) (CB801)
LCD401
Δ LCD, WTD-28238ACH
▲ LCD, WTD-28238AEH
COM3
COM2
COM1
NC
LCD [1:58]
IC401
LC75883
LCD DRIVER
DI
CLK
CE
DO
RES
OSC
TEST
VSS
VDD2
VDD1
VDD
KI5
KI4
KI3
KI2
KI1
C404 680p
R424 43k
R419 4.7k
R402 100k
ZD401 RD6.2MB3
Q405
DTC114EKA
LED DRIVER
IC402
SBX3050-02
REMOTE CONTROL IC
D414 1PS226
R447 N.U.
R446 100
C408 4.7
R445 1k
R440 10k
R441 10k
R442 10k
R443 1k
R444 10k
R421 1k
R422 1k
R420 1k
R423 1k
R425 1k
R426 1k
R427 1k
R428 1k
R429 1k
R430 1k
D412 IMN10
D411 IMN10
SW417 6/SCAN
SW422 VOL UP
SW423 VOL DN
SW418 TITLE
SW421 EJECT
SW401 T INFO
SW412 1/AF
SW411 FUNCTION
SW404 TUNE DN
SW402 TUNE UP
SW413 2/NEW
SW414 3/PTY
SW406 POWER SOURCE
SW403 TUNE/A.ME PLAY/PAUSE
SW409 TREBLE C
SW416 5/REPEAT
SW415 4/MIX
SW407 BAND
SW405 MODE LOUD
SW408 BASS C
SW401~417, SW421~SW423: SKQMAJ001

Front P. W. Board

NOTE: N. U. is Not Used Parts.

NOTE: Δ: For CDM-7856R Model Only.
▲ For CDM-7856RM Model Only.
Others: Common.


ST REMO
I/F
CIRCUIT
R693
22k
R692
22k
R691
1k
Q694
DTC114EKA
Q692
DTC114EKA
Q693
2SA1037A
R694
10k
D691
DAN202K
R696
3.3k
C692
0.01
R695
2.2k
C691
100p
R697
100
C694
2200p
C693
0.1
Q691
DTC114EKA
2
3
1
JK691
JAC, HSJ0657-01
5V
OUT
REMO
GND
To Main P. W. Board (2/4)

Terminal Voltage of IC/TR

IC001	
1	5.1
2	14.3
3	0
4	8.2
5	1.2

IC002	
1	4.1
2	4.1
3	4.1
4	0
5	4.1
6	4.1
7	4.1
8	8.2

IC004			
1	0.1	11	NC
2	0	12	0
3	7.5	13	2.5
4	2.6	14	5
5	2.2	15	0
6	0	16	2.5
7	5.1	17	2.5
8	5.1	18	2.5
9	5.1	19	2.5
10	4.5	20	2.5

IC201							
1	4.3	12	4.3	23	NC	34	NC
2	4.3	13	4.3	24	NC	35	4.3
3	NC	14	4.1	25	4.3	36	4.3
4	NC	15	0	26	4.3	37	4.3
5	NC	16	4	27	4.3	38	4.3
6	NC	17	NC	28	4.3	39	4.3
7	4.3	18	3.6	29	4.3	40	4.3
8	4.3	19	0	30	4.3	41	NC
9	4.3	20	0.2	31	NC	42	NC
10	4.3	21	0.2	32	NC	43	NC
11	4.3	22	8.7	33	NC	44	NC

IC301									
1	0	6	14.3	11	1.4	16	1.3	21	7.5
2	0	7	7.5	12	1.4	17	7.5	22	4
3	7.5	8	0	13	0	18	0	23	7.4
4	5.2	9	7.5	14	1.4	19	7.4	24	0
5	7.5	10	8.7	15	1.4	20	14.3	25	NC

IC401									
1	NC	17	2.5	33	2.5	49	2.5	65	0
2	2.5	18	2.5	34	2.5	50	2.5	66	0
3	2.5	19	2.5	35	2.5	51	2.5	67	0
4	2.5	20	2.5	36	2.5	52	2.5	68	0
5	2.5	21	2.5	37	2.5	53	2.5	69	0
6	2.5	22	2.5	38	2.5	54	2.5	70	5
7	2.5	23	2.5	39	2.5	55	2.5	71	3.3
8	2.5	24	2.5	40	2.5	56	2.5	72	1.7
9	2.5	25	2.5	41	2.5	57	2.5	73	0
10	2.5	26	2.5	42	2.5	58	2.5	74	0
11	2.5	27	2.5	43	2.5	59	2.5	75	4
12	2.5	28	2.5	44	2.5	60	5	76	4.5
13	2.5	29	2.5	45	2.5	61	5	77	5
14	2.5	30	2.5	46	2.5	62	5	78	0.6
15	2.5	31	2.5	47	2.5	63	5	79	0.1
16	2.5	32	2.5	48	2.5	64	5	80	1.2

IC402	
1	4.9
2	2
3	0
4	0

IC601								
1	NC		35	0/5	RADIO/CD	69	0	
2	NC		36	NC		70	0/5	RADIO/CD
3	5.2		37	5.2		71	NC	
4	1.3		38	2.9		72	NC	
5	0.7		39	2.5		73	NC	
6	0.2		40	0		74	NC	
7	5.2		41	NC		75	NC	
8	5.2		42	0		76	0	
9	5.2		43	5.2		77	0	
10	5.2		44	5		78	NC	
11	5.2		45	5		79	5.2/0	FM/AM
12	5.2		46	NC		80	5	
13	5.1		47	5.1		81	5.2/0	RADIO/CD
14	NC		48	0		82	0	
15	NC		49	5.1		83	NC	
16	NC		50	0/5	RADIO/CD	84	0	
17	NC		51	5.2		85	5.2	
18	0/5.1	RADIO/CD	52	5.2		86	NC	
19	4.8		53	0		87	NC	
20	NC		54	2.6		88	NC	
21	NC		55	4.4/5	RADIO/CD	89	NC	
22	0		56	0		90	NC	
23	0		57	0		91	NC	
24	0		58	0		92	NC	
25	4.5		59	0		93	NC	
26	5		60	0		94	NC	
27	0		61	0		95	NC	
28	0		62	NC		96	NC	
29	5.2		63	NC		97	NC	
30	NC		64	5.2		98	NC	
31	NC		65	5.2		99	5	
32	0/5.2	RADIO/CD	66	5.2		100	0	
33	0		67	NC				
34	5		68	0/5	RADIO/CD			

IC651	
1	5
2	5.2
3	0

IC652	
1	5.2
2	5.2
3	0

IC701			
1	13.8	5	1.3
2	0	6	14.2
3	0	7	14.2
4	0	8	13.8

IC702		
1	7.2/0	CD/RADIO
2	0.6/0.2	CD/RADIO
3	5.6/0.2	CD/RADIO

	E	C	B	MODE
Q001	8.2	1.5/8.2	8.1/7.5	FM/AM
Q201	0	3.6	0	
Q261	0	0	0	
Q262	0	0	0	
Q301	0	4	0	
Q405	0	4.6	0	
Q601	5.2	0	5.2	
Q651	5.2	14.2	5.9	
Q664	5.2	0	5.2	
Q691	0	0	1.9	
Q692	0	0	0	
Q693	5	0	5	
Q694	0	4.8	0	
Q701	7.2/0	14	14	CD/RADIO
Q803	14.2	14.1	13.5	
Q804	0	0.1	5.2	
Q805	8.6	14.2	9.2	
Q807	14.2	8.6	9.3	
Q810	14.2	14.1	13.4	
Q813	14.2	0	14.1	
Q814	0	14.1	0	
Q815	0	0.1	5	
Q863	5.2	0	0	

	1	2	3	4	5	MODE
Q002	0/8.2	8.1/1.6	8.2	5.2/0	0	FM/AM
Q003	0	5.1	5.2	8.2	0	
Q101	0/8.7	8.6/0	8.6	7.2/0	0	CD/RADIO
Q602	5.2	14.0	0	0	0	
Q604	0	4.8	5.1	5.1	0	
Q652	0	5.0	5.0	5.7	0	
Q702	0/14.3	14.2/0	14.3	5.2/0	0	CD/RADIO
Q862	14.1	0	14.2	0	0	

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- *Measuring Point Reference : Between GND*
- Measuring Condition : FM : 98.1MHz
  AM : 999KHz
  CD : at playing Disc

Description of IC Terminal

D784216AGF : IC601

No.	Symbol	I/O	Terminal Description
1	NC	-	No connect terminal.
2			
3	LCD RST	O	RESET signal output terminal to LCD Driver (LC75883).
4	LCD DI	O	Serial data signal output terminal to LCD Driver (LC75883).
5	LCD CE	O	Chip enable signal output terminal to LCD Driver (LC75883).
6	LCD CLK	O	Serial clock signal output terminal to LCD Driver (LC75883).
7	LCD DO	I	Serial data signal input terminal from LCD Driver (LC75883).
8	REMO IND	O	Lighting control terminal for movement indicator. Hi:Lighting
9	VDD	-	Power supply terminal.
10	POWER-IC ON	O	STBY CONT signal output terminal of Power IC.
11	NOSE POWER	O	LCD driver and Remote Control power supply control signal output terminal.
12	LCD ON	O	Power supply control signal output terminal for LCD backlighting.
13	POWER CONT	O	Audio and Key lighting power supply control signal output terminal.
14	NC	-	No connect terminal.
~			
17			
18	V-CONT	O	Servo/Mechanism power supply control signal output terminal.
19	REMOCON	I	Remote Control data input terminal.
20	NC	-	No connect terminal.
21			
22	Vpp		High voltage terminal when a flash memory document gets crowded.
23	7511 EEP SCL	O	Serial clock signal output terminal to 7511/EEP.
24	7511 EEP SDA	I/O	Serial data signal input/output terminal to 7511/EEP.
25	RDS SCL	O	RDS clock output terminal from RDS decoder (SAA6588T).
26	RDS SDA	I/O	RDS data input/output terminal from RDS decoder (SAA6588T).
27	E.VOL SCL	O	Serial clock signal output terminal to Elecrical Volume (TDA7402).
28	E.VOL SDA	I/O	Serial data signal input/output terminal to Elecrical Volume (TDA7402).
29	AUTO ADJ	I	Auto adjustment control signal input terminal. Lo:Auto adjustment
30	NC	-	No connect terminal.
31			
32	CD STBY	O	Stand-by control signal output terminal of Mechanism Microcomputer.
33	0 MUTE-DET	I	0-bit Mute signal input terminal.
34	CD RST	O	Reset signal output terminal of Mechanism Microcomputer.
35	CD CS	O	Communication control signal output terminal of Mechanism Microcomputer.
36	NC	-	No connect terminal.
37	VDD	-	Power supplu terminal.
38	X2	-	Main system clock OSC terminal. (12.288MHz).
39	X1		
40	GND	-	GND terminal.
41	XT2 (NC)	-	No connect terminal.
42	XT1 (GND)	-	GND connect terminal.
43	RSETE	I	System reset signal input terminal.
44	BATT DET	I	Battery detection signal input terminal. Compulsory Stand-by management is done.
45	ACC DET	I	ACC (Ignition) detection signal input terminal.
46	NC	-	No connect terminal.
47	CHG BUS IN	I	Signal input terminal from CD changer BUS interface.
48	CHG BUS OUT	O	Signal output terminal to CD Changer BUS interface.
49	DISC IN SW	I	DISC loading detection switch input terminal.
50	CD SRQ	I	Communication request signal input terminal from Mechanism Microcomputer.
51	AVDD	-	Analog power supply terminal of A/D converter.
52	AVREFO	-	Standard voltage input terminal of A/D converter.
53	GND	-	VSS connect terminal.
54	NOSE ON	I	Front panel detection signal input terminal.
55	S-METER	I	Signal Meter input terminal.
56	MULTIPATH	I	Multi path disturbance detection terminal of receiving station.
57	ADJCH	I	Adjoining channel signal input terminal.
58	V-Link SEL	I	V-Link setting input terminal.
59	GND	-	VSS connect terminal.
60			
61	AVSS	-	GND electric potential terminal of A/D converter.
62	NC	-	No connect terminal.
63			
64	AVREF1	-	Standard voltage input terminal of A/D converter.
65	RDS MONI RxD	I	Serial data input terminal from RDS minotor software.
66	RDS MONI TxD	O	Serial data output terminal to RDS monitor software.
67	NC	-	No connect terminal.
68	CD STS	I	Status signal input terminal from Mechanism Microcomputer.
	(RXD1)	-	(Connection terminal of Flashproll with UART form.)
69	CD CMD	O	Command output terminal to Mechanism Microcomputer.
	(TXD1)	-	(Connection terminal of Flashproll with UART form.)
70	CD SCK	O	Serial clock outnput terminal to Mechanism Microcomputer.
	(ASCK1)	-	(Connection terminal of Flashproll with UART form.)
71	NC	-	No connect terminal.
~			
75			
76	AM SD	I	AM SD signal input terminal.
77	SSTOP	I	FM sekk stop signal input terminal of Tuner.
78	NC	-	No connect terminal.
79	FM/AM	O	FM/AM power supply switching signal output terminal. Hi:FM
80	DAVN	I	Available input terminal of RDS decoder (SAA6588T).
81	ADJCH MUTE	O	MPX MUTE signal output terminal to RDS decoder to disturb FM adjoining.
82	IF-MUTE	O	High speed MUTE signal output terminal in AF SW.
83	NC	-	No connect terminal.
84	IN-INT	I	Outside Audio signal input terminal.
85	OUT REM ON	O	Remote ON signal output terminal for outside AMP.
86	NC	-	No connect terminal.
~			
98			
99	A-MUTE	O	Audio MUTE signal output terminal. Lo:Mute ON
100	GND	-	GND electrical potential supply terminal.

CDM-7859RB/CDM-7858RB
CDM-7856R/CDM-7856RM

Electrical Parts List

Capacitor : μ F=microfarads,pF=picofarads

Abbreviations

RES.= Resistor
C.F.= Carbon Film
M.F.= Metal Film
M.O.= Metal OxideFilm
M.P.= Metal Plate
TR. = Transistor
TRANS.= Transformer
CP. = Chip

CAP.= Capacitor
ELY.= Electrolytic
CER.= Ceramic
MYL.= Mylar
TAN.= Tantalum
POLY.= Polystyrol
PP. = Polypropylene
PLT.= Polyethylene
PF. = Polyester Film

Main P.W.Board

IC's

Symbol No.	Part No.	Description
IC001	51T25259Y01	BA00AST -IS
IC002	51T93333F01	NJM2904M-TE3 -SE2
IC004	51T15132Y02	SAA6588T -SE9
IC201	51T35457Y01	TDA7402 -QT
IC301	51T45409Y01	TA8263BH -ZS
IC601	51T45247Y01	IC,D784216AGF -QT
IC651	51T95563W01	S-80744HL-T1 -NE2
IC652	51T95014F13	S-8052HNM-CR-T1 -SE2
IC701	51T15510W01	IC ,MC34063AML -SPD
IC702	51T25045Y03	AN7705SP-TX -NE5

Transistors

Symbol No.	Part No.	Description
Q001	48T63420F01	TR,2SA1037AK-146 -CP
Q002	48T73888F13	TR ,CP FMC3-99
Q003	48T73888F13	TR ,CP FMC3-99
Q101	48T73888F13	TR ,CP FMC3-99
Q201	48T62967F03	TR,DTC124EKA-T146-CP
Q261	48T62967F33	TR,DTC343TK-T146 -CP
Q262	48T62967F33	TR,DTC343TK-T146 -CP
Q301	48T62967F03	TR,DTC124EKA-T146-CP
Q601	48T62966F03	TR,DTA124EKA-T146-CP
Q602	48T73888F08	TR ,CP.FMG1-99
Q604	48T73888F13	TR ,CP FMC3-99
Q651	48T93828F04	TR,2SD1994A-S-TA -RD
Q652	48T73888F12	TR ,CP.FMC2-99
Q664	48T62966F01	TR,DTA143EKA-T146-CP
Q701	48T15511W02	CP.2SB1261-TE2 -E5
Q702	48T73888F12	TR ,CP.FMC2-99
Q803	48T84366F04	TR,2SB1243-QR-TV2-RD
Q804	48T62967F05	TR,DTC143XKA-T146-CP
Q805	48T69176F02	TR ,2SC3421-Y
Q807	48T56031F01	TR ,2SD1266-P,Q
Q810	48T84366F04	TR,2SB1243-QR-TV2-RD
Q813	48T63420F01	TR,2SA1037AK-146 -CP
Q814	48T62967F03	TR,DTC124EKA-T146-CP
Q815	48T62967F01	TR,DTC143EKA-T146-CP
Q862	48T73888F12	TR ,CP.FMC2-99
Q863	48T62967F03	TR,DTC124EKA-T146-CP

Diodes

Symbol No.	Part No.	Description
D001	48T15437Y01	DIO,HSM123-TL -CP
D301	48T85270W01	DIO,MPG06G -A5
D302	48T85270W01	DIO,MPG06G -A5
D303	48T85270W01	DIO,MPG06G -A5
D304	48T85270W01	DIO,MPG06G -A5
D305	48T85270W01	DIO,MPG06G -A5
D306	48T85270W01	DIO,MPG06G -A5
D307	48T85270W01	DIO,MPG06G -A5
D308	48T85270W01	DIO,MPG06G -A5
D601	48T68828F11	DIO,1SS133 -RH
D653	48T68828F11	DIO,1SS133 -RH
D654	48T68828F11	DIO,1SS133 -RH
D662	48T63462F01	DIO,CP.DAN202K -96
D701	48T84052F11	DIO,SI 11ES2-TB5 -R5
D702	48T85270W01	DIO,MPG06G -A5
D803	48T85357W01	DIO,1PS226 -CP
D804	48T84052F11	DIO,SI 11ES2-TB5 -R5
D861	48T68828F11	DIO,1SS133 -RH
D862	48T75404W01	DIO,1SS353-TE17 -CP
SD701	48T85269W02	DIO,SHT SB040 -H5
SD801	48T68580F03	DIO,SI DSA3A4-F5
ZD651	48T83128F04	DIO,ZEN.HZS 6B1L -A5
ZD652	48T25766W14	DIO,ZEN.HZS 7B2L -R5
ZD802	48T25766W24	DIO,ZEN.HZS 9C1L -R5
ZD803	48T25766W25	DIO,ZEN.HZS 9C2L -R5

Coils

Symbol No.	Part No.	Description
L001	24T25164Y21	IND,FSLM2520 4R7J-CP
L002	24T16403W29	COI,IND.15R-M -CP
L003	24T25164Y21	IND,FSLM2520 4R7J-CP
L651	24T16403W23	COI,IND.4R7-M -CP
L701	24T16271W13	COIL,RCR875D-221K
L801	25T00988K01	CHOKE,SA10HA-400H +
VT001	24T35286Y01	IND,MG56 523J -DB
Z201	24T35072W03	FBI,BL02RN1-R62T4-R5

Filters

Symbol No.	Part No.	Description
CF001	91T75257W02	LPF,LPF11830KH-3C-DB
Z004	91T65112W06	EMI,BK2125HM102 -CP
Z005	91T65112W06	EMI,BK2125HM102 -CP
Z006	91T65112W06	EMI,BK2125HM102 -CP
Z007	91T65112W06	EMI,BK2125HM102 -CP
Z601	91T65112W06	EMI,BK2125HM102 -CP

Crystals

Symbol No.	Part No.	Description
XL001	91T85169W18	XTL,HC-49 4.332M -R5
XL601	91T85169W99	XTL,HC-49 12.288M-R5

Surge Absorber

Symbol No.	Part No.	Description
SA001	48T81048F02	PTT,DSP-201M -RD

Capacitors

Symbol No.	Part No.	Description
C002	08S45677W60	CAP,CER 102J-CH1H-CP
C003	08S45676W73	CAP,CER.103K-B1H -CP
C004	08S45676W73	CAP,CER.103K-B1H -CP
C005	08S45676W73	CAP,CER.103K-B1H -CP
C006	08S45676W73	CAP,CER.103K-B1H -CP
C007	08S45676W73	CAP,CER.103K-B1H -CP
C009	08S45676W85	CAP,CER 104K-B1C -CP
C010	08S45677W56	CAP,CER 681J-CH1H-CP
C012	08S45677W36	CAP,CER.101J-CH1H-CP
C014	08S45676W80	CAP,CER 223K-B1E -CP
C015	08S45677W36	CAP,CER.101J-CH1H-CP
C016	08S45677W60	CAP,CER 102J-CH1H-CP
C018	08S45676W80	CAP,CER 223K-B1E -CP
C021	08S45676W65	CAP,CER.222K-B1H -CP
C023	08S45676W85	CAP,CER 104K-B1C -CP
C024	08S45676W80	CAP,CER 223K-B1E -CP
C025	08S45677W42	CAP,CER.181J-CH1H-CP
C026	08S45676W85	CAP,CER 104K-B1C -CP
C027	08S45677W20	CAP,CER.22RJ-CH1H-CP
C028	08S45677W16	CAP,CER.15RJ-CH1H-CP
C029	08S45677W36	CAP,CER.101J-CH1H-CP
C030	08S45677W36	CAP,CER.101J-CH1H-CP
C031	08S45676W85	CAP,CER 104K-B1C -CP
C032	08S45677W54	CAP,CER 561J-CH1H-CP
C035	08S45676W80	CAP,CER 223K-B1E -CP
C108	08S45676W67	CAP,CER.332K-B1H -CP
C109	08S45676W67	CAP,CER.332K-B1H -CP
C200	08S60102F48	CAP,CER 105K-B1E -CP
C202	08S45677W60	CAP,CER 102J-CH1H-CP
C203	08S45677W60	CAP,CER 102J-CH1H-CP
C204	08S45676W74	CAP,CER 123K-B1H -CP
C205	08S45677W60	CAP,CER 102J-CH1H-CP
C206	08S45676W85	CAP,CER 104K-B1C -CP
C207	08S45676W85	CAP,CER 104K-B1C -CP
C208	08S45677W36	CAP,CER.101J-CH1H-CP
C209	08S35374W03	CAP,CER 683K-B1E -CP
C501	08S45677W60	CAP,CER 102J-CH1H-CP
C602	08S45676W80	CAP,CER 223K-B1E -CP
C603	08S45676W80	CAP,CER 223K-B1E -CP
C608	08S45677W16	CAP,CER.15RJ-CH1H-CP
C609	08S45677W14	CAP,CER.12RJ-CH1H-CP
C610	08S45677W48	CAP,CER.331J-CH1H-CP
C611	08S45676W80	CAP,CER 223K-B1E -CP
C662	08S45677W60	CAP,CER 102J-CH1H-CP
C701	08S60102F48	CAP,CER 105K-B1E -CP
C702	08S45677W38	CAP,CER 121J-CH1H-CP
C704	08S45676W85	CAP,CER 104K-B1C -CP
C705	08S45676W80	CAP,CER 223K-B1E -CP
C706	08S45676W63	CAP,CER 152K-B1H -CP
C707	08S45676W80	CAP,CER 223K-B1E -CP
C801	08S45676W89	CAP,CER 473K-B1E -CP
C802	08T35122W13	CAP,MMTS-104-J -R5
C808	08S45676W80	CAP,CER 223K-B1E -CP
C810	08T95466W07	CAP,CER 103K-B2J -CP
C811	08T95466W07	CAP,CER 103K-B2J -CP
C813	08T95466W07	CAP,CER 103K-B2J -CP
E002	23S75372W03	CAP,ELY 221-1A -H2
E003	23S75372W05	CAP,ELY 22R-1C -R2
E004	23S75372W05	CAP,ELY 22R-1C -R2
E005	23S75372W03	CAP,ELY 221-1A -H2
E007	23S75372W16	CAP,ELY 2R2-1H -R2
E009	23S75372W04	CAP,ELY 10R-1C -R2
E012	23S75372W05	CAP,ELY 22R-1C -R2
E202	23S75373W02	CAP,ELY 10R-1C -R2
E205	23S75372W15	CAP,ELY 1R0-1H -R2
E206	23S75372W15	CAP,ELY 1R0-1H -R2
E207	23S75372W15	CAP,ELY 1R0-1H -R2
E208	23S75373W02	CAP,ELY 10R-1C -R2
E209	23S75372W15	CAP,ELY 1R0-1H -R2
E210	23S75372W15	CAP,ELY 1R0-1H -R2
E211	23S75372W15	CAP,ELY 1R0-1H -R2
E212	23S75372W15	CAP,ELY 1R0-1H -R2
E213	23S75373W02	CAP,ELY 10R-1C -R2
E261	23S75373W14	CAP,ELY 2R2-1H -R2
E262	23S75373W14	CAP,ELY 2R2-1H -R2

Symbol No.	Part No.	Description
E301	23S75373W08	CAP, ELY R10-1H -R2
E302	23T95115W02	CAP, AD 1R0-1H -R2
E303	23S75373W02	CAP, ELY 10R-1C -R2
E304	23S75372W15	CAP, ELY 1R0-1H -R2
E311	23T95115W01	CAP, AD R33-1H -R2
E312	23T95115W01	CAP, AD R33-1H -R2
E313	23T95115W01	CAP, AD R33-1H -R2
E314	23T95115W01	CAP, AD R33-1H -R2
E601	23S75372W05	CAP, ELY 22R-1C -R2
E602	23S75372W03	CAP, ELY 221-1A -H2
E603	23S75372W02	CAP, ELY 101-1A -R2
E651	23S75372W08	CAP, ELY 101-1C -H2
E652	23S75372W15	CAP, ELY 1R0-1H -R2
E653	23S75372W02	CAP, ELY 101-1A -R2
E654	23S75373W08	CAP, ELY R10-1H -R2
E656	23S75372W04	CAP, ELY 10R-1C -R2
E701	23T55378W03	CAP, KMG 471-1A -R2
E702	23S75372W08	CAP, ELY 101-1C -H2
E800	23S75373W06	CAP, ELY 101-1C -R2
E801	23T75346W03	CAP, X-PRO 332-1C +
E803	23S75372W02	CAP, ELY 101-1A -R2
E804	23S75373W04	CAP, ELY 33R-1C -R2
E805	23S75372W15	CAP, ELY 1R0-1H -R2
E810	23S75373W02	CAP, ELY 10R-1C -R2
E842	23S75373W06	CAP, ELY 101-1C -R2
E861	23S75372W07	CAP, ELY 47R-1C -R2

Resistors

Symbol No.	Part No.	Description
C022	06S45675W43	RES, RK JUMPER1/10-CP
J002	06S35095Y08	RES, RK JUMPER 1/4-CP
J006	06S35095Y08	RES, RK JUMPER 1/4-CP
J019	06S45675W43	RES, RK JUMPER1/10-CP
J020	06S45675W43	RES, RK JUMPER1/10-CP
J035	06S35095Y08	RES, RK JUMPER 1/4-CP
J036	06S45675W43	RES, RK JUMPER1/10-CP
J037	06S45675W43	RES, RK JUMPER1/10-CP
J054	06S35095Y08	RES, RK JUMPER 1/4-CP
J057	06S35095Y08	RES, RK JUMPER 1/4-CP
J073	06S35095Y08	RES, RK JUMPER 1/4-CP
J083	06S35095Y08	RES, RK JUMPER 1/4-CP
J084	06S35095Y08	RES, RK JUMPER 1/4-CP
J120	06S35095Y08	RES, RK JUMPER 1/4-CP
J122	06S35095Y08	RES, RK JUMPER 1/4-CP
J132	06S35095Y08	RES, RK JUMPER 1/4-CP
J136	06S35095Y08	RES, RK JUMPER 1/4-CP
J138	06S35095Y08	RES, RK JUMPER 1/4-CP
J139	06S35095Y08	RES, RK JUMPER 1/4-CP

Symbol No.	Part No.	Description
J141	06S35095Y08	RES, RK JUMPER 1/4-CP
J142	06S35095Y08	RES, RK JUMPER 1/4-CP
J144	06S45675W43	RES, RK JUMPER1/10-CP
J148	06S35095Y08	RES, RK JUMPER 1/4-CP
J149	06S35095Y08	RES, RK JUMPER 1/4-CP
J161	06S35095Y08	RES, RK JUMPER 1/4-CP
J164	06S35095Y08	RES, RK JUMPER 1/4-CP
J167	06S35095Y08	RES, RK JUMPER 1/4-CP
J179	06S35095Y08	RES, RK JUMPER 1/4-CP
J194	06S35095Y08	RES, RK JUMPER 1/4-CP
R001	06S70072F05	RES, CP .10R-J-1/4-CP
R002	06S45674W57	RES, RK 102J 1/10 -CP
R003	06S45674W57	RES, RK 102J 1/10 -CP
R004	06S45674W89	RES, RK 223J 1/10 -CP
R005	06S45674W89	RES, RK 223J 1/10 -CP
R006	06S45675W43	RES, RK JUMPER1/10-CP
R007	06S45675W43	RES, RK JUMPER1/10-CP
R008	06S45675W43	RES, RK JUMPER1/10-CP
R009	06S45674W69	RES, RK 332J 1/10 -CP
R010	06S45674W57	RES, RK 102J 1/10 -CP
R012	06S45674W57	RES, RK 102J 1/10 -CP
R013	06S45675W43	RES, RK JUMPER1/10-CP
R014	06S45674W09	RES, RK 10RJ 1/10 -CP
R016	06S45674W49	RES, RK 471J 1/10 -CP
R017	06S45674W57	RES, RK 102J 1/10 -CP
R018	06S45674W57	RES, RK 102J 1/10 -CP
R019	06S45674W49	RES, RK 471J 1/10 -CP
R021	06S45675W43	RES, RK JUMPER1/10-CP
R022	06S45675W43	RES, RK JUMPER1/10-CP
R023	06S15593Y76	RES, RK 133F 1/10 -CP
R024	06S15593Y57	RES, RK 222F 1/10 -CP
R037	06S45674W09	RES, RK 10RJ 1/10 -CP
R038	06S45675W43	RES, RK JUMPER1/10-CP
R039	06S45675W22	RES, RK 474J 1/10 -CP
R041	06S45674W65	RES, RK 222J 1/10 -CP
R044	06S45674W57	RES, RK 102J 1/10 -CP
R045	06S45674W57	RES, RK 102J 1/10 -CP
R047	06S45674W75	RES, RK 562J 1/10 -CP
R048	06S45674W75	RES, RK 562J 1/10 -CP
R101	06S70072F53	RES, CP .102-J-1/4-CP
R102	06S70072F53	RES, CP .102-J-1/4-CP
R200	06S45674W90	RES, RK 243J 1/10 -CP
R201	06S45674W77	RES, RK 682J 1/10 -CP
R202	06S45674W95	RES, RK 393J 1/10 -CP
R203	06S45674W65	RES, RK 222J 1/10 -CP
R205	06S45675W22	RES, RK 474J 1/10 -CP
R206	06S45674W57	RES, RK 102J 1/10 -CP
R207	06S45674W57	RES, RK 102J 1/10 -CP
R261	06S45674W40	RES, RK 201J 1/10 -CP

Symbol No.	Part No.	Description
R262	06S45674W40	RES, RK 201J 1/10 -CP
R263	06S45674W96	RES, RK 433J 1/10 -CP
R264	06S45674W96	RES, RK 433J 1/10 -CP
R265	06S45674W33	RES, RK 101J 1/10 -CP
R266	06S45674W33	RES, RK 101J 1/10 -CP
R301	06S45674W41	RES, RK 221J 1/10 -CP
R302	06S45674W41	RES, RK 221J 1/10 -CP
R303	06S45674W41	RES, RK 221J 1/10 -CP
R304	06S45674W41	RES, RK 221J 1/10 -CP
R305	06S70072F77	RES, CP .103-J-1/4-CP
R308	06S45675W43	RES, RK JUMPER1/10-CP
R399	06S45674W81	RES, RK 103J 1/10 -CP
R603	06S45675W43	RES, RK JUMPER1/10-CP
R604	06S45674W89	RES, RK 223J 1/10 -CP
R605	06S45674W97	RES, RK 473J 1/10 -CP
R606	06S45674W57	RES, RK 102J 1/10 -CP
R607	06S45674W81	RES, RK 103J 1/10 -CP
R608	06S64995F77	RES, RK 103J 1/8 -CP
R611	06S70072F69	RES, CP .472-J-1/4-CP
R612	06S45674W83	RES, RK 123J 1/10 -CP
R613	06S45674W57	RES, RK 102J 1/10 -CP
R614	06S64995F53	RES, RK 102J 1/8 -CP
R615	06S64995F53	RES, RK 102J 1/8 -CP
R616	06S64995F53	RES, RK 102J 1/8 -CP
R617	06S45674W57	RES, RK 102J 1/10 -CP
R618	06S45675W43	RES, RK JUMPER1/10-CP
R619	06S45674W57	RES, RK 102J 1/10 -CP
R620	06S45674W57	RES, RK 102J 1/10 -CP
R621	06S45674W57	RES, RK 102J 1/10 -CP
R622	06S70072F63	RES, CP .272-J-1/4-CP
R623	06S45674W57	RES, RK 102J 1/10 -CP
R624	06S45674W57	RES, RK 102J 1/10 -CP
R625	06S45674W89	RES, RK 223J 1/10 -CP
R626	06S45674W89	RES, RK 223J 1/10 -CP
R627	06S45674W97	RES, RK 473J 1/10 -CP
R628	06S45674W89	RES, RK 223J 1/10 -CP
R629	06S45674W97	RES, RK 473J 1/10 -CP
R630	06S45674W89	RES, RK 223J 1/10 -CP
R631	06T75433W81	RES, RK 223J 1/4 -CP
R632	06T00187L49	RES, PSC. 221-J-1/6-A5
R634	06S45674W43	RES, RK 271J 1/10 -CP
R635	06S45674W97	RES, RK 473J 1/10 -CP
R636	06T75433W89	RES, RK 473J 1/4 -CP
R640	06S45675W22	RES, RK 474J 1/10 -CP
R641	06T75433W81	RES, RK 223J 1/4 -CP
R642	06S45674W57	RES, RK 102J 1/10 -CP
R644	06S45674W97	RES, RK 473J 1/10 -CP
R645	06S45674W43	RES, RK 271J 1/10 -CP
R646	06S45674W73	RES, RK 472J 1/10 -CP

Symbol No.	Part No.	Description
R647	06S45674W73	RES, RK 472J 1/10 -CP
R651	06T75433W64	RES, RK 432J 1/4 -CP
R652	06S45675W13	RES, RK 204J 1/10 -CP
R653	06S70072F05	RES, CP .10R-J-1/4-CP
R654	06S70072F69	RES, CP .472-J-1/4-CP
R655	06S70072F69	RES, CP .472-J-1/4-CP
R656	06S45674W89	RES, RK 223J 1/10 -CP
R657	06S45674W73	RES, RK 472J 1/10 -CP
R664	06S45674W97	RES, RK 473J 1/10 -CP
R666	06S45675W43	RES, RK JUMPER1/10-CP
R667	06S45675W43	RES, RK JUMPER1/10-CP
R668	06S45675W43	RES, RK JUMPER1/10-CP
R701	06S70072F47	RES, CP .561-J-1/4-CP
R702	06S35084Y41	RES, RK 223F 1/8 -CP
R703	06S70072F29	RES, CP .101-J-1/4-CP
R704	06S70072F47	RES, CP .561-J-1/4-CP
R705	06S35084Y33	RES, RK 472F 1/8 -CP
R707	06S45675W13	RES, RK 204J 1/10 -CP
R800	06T85397W06	RES, RS 12RJ 2W +
R801	06T00187L65	RES, PSC. 102-J-1/6-A5
R802	06S70072F77	RES, CP .103-J-1/4-CP
R804	06T75433W82	RES, RK 243J 1/4 -CP
R805	06S70072F57	RES, CP .152-J-1/4-CP
R806	06S70072F57	RES, CP .152-J-1/4-CP
R807	06S70072F48	RES, CP .621-J-1/4-CP
R808	06S70072F45	RES, CP .471-J-1/4-CP
R812	06T75433W54	RES, RK 162J 1/4 -CP
R813	06T75433W54	RES, RK 162J 1/4 -CP
R820	06S45674W81	RES, RK 103J 1/10 -CP
R821	06T75433W82	RES, RK 243J 1/4 -CP
R822	06S70072F61	RES, CP .222-J-1/4-CP
R823	06S70072F04	RES, CP .8R2-J-1/4-CP
R824	06S70072F04	RES, CP .8R2-J-1/4-CP
R825	06S70072F04	RES, CP .8R2-J-1/4-CP
R826	06S70072F04	RES, CP .8R2-J-1/4-CP
R827	06S45674W90	RES, RK 243J 1/10 -CP
R828	06T75433W55	RES, RK 182J 1/4 -CP
R829	06T75433W55	RES, RK 182J 1/4 -CP
R833	06S70072F77	RES, CP .103-J-1/4-CP
R853	06S45674W81	RES, RK 103J 1/10 -CP
R864	06S45674W81	RES, RK 103J 1/10 -CP
R865	06S45675W20	RES, RK 394J 1/10 -CP
R867	06S70072F29	RES, CP .101-J-1/4-CP

Connectors

Symbol No.	Part No.	Description
CB601	09T15299Y15	BTB, TMD-V15X-B1 -DB
CH101	09T25684Y22	FFC, SLW22R-1C7 -DB

Symbol No.	Part No.	Description
Front P.W.Board (○●)		
IC's		
IC401	51T85152W01	LC75883 -QT
IC402	51T35614Y01	SBX3050-02 -NE5
Transistor		
Q405	48T62967F02	TR, DTC114EKA-T146-CP
Diodes		
D411	48T94471F04	DIO, IMN10-T108 -CP
D412	48T94471F04	DIO, IMN10-T108 -CP
D414	48T85357W01	DIO, 1PS226 -CP
ZD401	48T62934F26	DIO, ZEN. RD6. 2MB3 -CP
ZD402	48T15541Y23	DIO, ZEN MAZS180 -CP
ZD403	48T15541Y23	DIO, ZEN MAZS180 -CP
Switches		
SW401	40T55656W06	SW, TACT SKQMAJ001-E2(T. INFO)
SW402	40T55656W06	SW, TACT SKQMAJ001-E2(TUNE UP)
SW403	40T55656W06	SW, TACT SKQMAJ001-E2 (TUNE/A. ME/PLAY/PAUSE)
SW404	40T55656W06	SW, TACT SKQMAJ001-E2(TUNE DN)
SW405	40T55656W06	SW, TACT SKQMAJ001-E2(MODE/LOUD)
SW406	40T55656W06	SW, TACT SKQMAJ001-E2(POWER/SOURCE)
SW407	40T55656W06	SW, TACT SKQMAJ001-E2(BAND)
SW408	40T55656W06	SW, TACT SKQMAJ001-E2(BASS C)
SW409	40T55656W06	SW, TACT SKQMAJ001-E2(TREBLE C)
SW410	40T55656W06	SW, TACT SKQMAJ001-E2(TITLE)
SW411	40T55656W06	SW, TACT SKQMAJ001-E2(F/SETUP)
SW412	40T55656W06	SW, TACT SKQMAJ001-E2(1/AF)
SW413	40T55656W06	SW, TACT SKQMAJ001-E2(2/NEWS)
SW414	40T55656W06	SW, TACT SKQMAJ001-E2(3/PTY)
SW415	40T55656W06	SW, TACT SKQMAJ001-E2(4/M. I. X.)
SW416	40T55656W06	SW, TACT SKQMAJ001-E2(5/REPEAT)
SW417	40T55656W06	SW, TACT SKQMAJ001-E2(6/SCAN)
SW421	40T55656W06	SW, TACT SKQMAJ001-E2(EJECT)
SW422	40T55656W06	SW, TACT SKQMAJ001-E2(VOL UP)
SW423	40T55656W06	SW, TACT SKQMAJ001-E2(VOL DN)

Symbol No.	Part No.	Description
LED's		
LD401	48T25534Y02	LED, RED BR1111C -CP
LD403	48T45280Y01	LED, WHT NSCWS405T-E2
LD404	48T45280Y01	LED, WHT NSCWS405T-E2
LD405	48T45280Y01	LED, WHT NSCWS405T-E2
LD406	48T45280Y01	LED, WHT NSCWS405T-E2
LD407	48T25534Y01	LED, GRN BG1111C -CP
○ LD408	48T25534Y01	LED, GRN BG1111C -CP
● LD408	48T25534Y02	LED, RED BR1111C -CP
○ LD409	48T25534Y01	LED, GRN BG1111C -CP
● LD409	48T25534Y02	LED, RED BR1111C -CP
○ LD410	48T25534Y10	LED, YEL FY1111C -CP
● LD410	48T25534Y02	LED, RED BR1111C -CP
○ LD411	48T25534Y10	LED, YEL FY1111C -CP
● LD411	48T25534Y02	LED, RED BR1111C -CP
○ LD412	48T25534Y09	LED, BLU DB1111C10-CP
● LD412	48T25534Y11	LED, BLU EB1111C -CP
○ LD413	48T25534Y09	LED, BLU DB1111C10-CP
● LD413	48T25534Y11	LED, BLU EB1111C -CP
○ LD414	48T25534Y09	LED, BLU DB1111C10-CP
● LD414	48T25534Y11	LED, BLU EB1111C -CP
○ LD415	48T25534Y09	LED, BLU DB1111C10-CP
● LD415	48T25534Y11	LED, BLU EB1111C -CP
LD416	48T25534Y01	LED, GRN BG1111C -CP
LD417	48T25534Y01	LED, GRN BG1111C -CP
LD418	48T25534Y01	LED, GRN BG1111C -CP
○ LD419	48T25534Y01	LED, GRN BG1111C -CP
● LD419	48T25534Y02	LED, RED BR1111C -CP
○ LD420	48T25534Y01	LED, GRN BG1111C -CP
● LD420	48T25534Y02	LED, RED BR1111C -CP
Lamps		
○ PL402	65T35324Y06	LAMP, BLU 6-80 -E5
○ PL403	65T35324Y05	LAMP, GRN 6-80 -E5
● PL403	65T35324Y04	LAMP, RED 6-80 -E5
○ PL405	65T35324Y05	LAMP, GRN 6-80 -E5
● PL405	65T35324Y04	LAMP, RED 6-80 -E5
○ PL406	65T35324Y05	LAMP, GRN 6-80 -E5
● PL406	65T35324Y04	LAMP, RED 6-80 -E5
Capacitors		
C404	08S82122F57	CAP, CER. 681J-CH1H-CP
C405	08T15399W03	CAP, CER. 473K-B1H -CP
C406	08T15399W03	CAP, CER. 473K-B1H -CP
C407	08T15399W03	CAP, CER. 473K-B1H -CP

NOTE : ○ : For CDM-7859RB Model Only, ● : For CDM-7858RB Model Only, Others : Common.

Symbol No.	Part No.	Description
C408	08T81833F08	CAP, CER 475K-B1A -CP
Resistors		
○ R401	06S70072F45	RES, CP .471-J-1/4-CP
● R401	06S70072F53	RES, CP .102-J-1/4-CP
○ R402	06S70072F27	RES, CP .82R-J-1/4-CP
○ R403	06S70072F11	RES, CP .18R-J-1/4-CP
● R403	06S70072F18	RES, CP .36R-J-1/4-CP
○ R404	06S35095Y08	RES, RK JUMPER 1/4-CP
● R404	06S70072F18	RES, CP .36R-J-1/4-CP
○ R405	06S35095Y08	RES, RK JUMPER 1/4-CP
● R405	06S70072F18	RES, CP .36R-J-1/4-CP
R406	06S70072F35	RES, CP .181-J-1/4-CP
R407	06S70072F43	RES, CP .391-J-1/4-CP
R408	06S70072F35	RES, CP .181-J-1/4-CP
R409	06S70072F45	RES, CP .471-J-1/4-CP
○ R410	06S70072F45	RES, CP .471-J-1/4-CP
● R410	06S70072F53	RES, CP .102-J-1/4-CP
R411	06S70072F55	RES, CP .122-J-1/4-CP
○ R412	06S70072F26	RES, CP .75R-J-1/4-CP
● R412	06S70072F27	RES, CP .82R-J-1/4-CP
○ R413	06S70072F57	RES, CP .152-J-1/4-CP
● R413	06S70072F61	RES, CP .222-J-1/4-CP
R414	06S95432W61	RES, RK 102J 1/8 -CP
R415	06S95432W61	RES, RK 102J 1/8 -CP
R416	06S95432W61	RES, RK 102J 1/8 -CP
R417	06S95432W61	RES, RK 102J 1/8 -CP
R418	06S95432W61	RES, RK 102J 1/8 -CP
R419	06S95432W77	RES, RK 472J 1/8 -CP
R420	06S95432W61	RES, RK 102J 1/8 -CP
R421	06S95432W61	RES, RK 102J 1/8 -CP
R422	06S95432W61	RES, RK 102J 1/8 -CP
R423	06S95432W61	RES, RK 102J 1/8 -CP
R424	06S95433W01	RES, RK 433J 1/8 -CP
R425	06S95432W61	RES, RK 102J 1/8 -CP
R426	06S95432W61	RES, RK 102J 1/8 -CP
R427	06S95432W61	RES, RK 102J 1/8 -CP
R428	06S95432W61	RES, RK 102J 1/8 -CP
R429	06S95432W61	RES, RK 102J 1/8 -CP
R430	06S95432W61	RES, RK 102J 1/8 -CP
R440	06S95432W85	RES, RK 103J 1/8 -CP
R441	06S95432W85	RES, RK 103J 1/8 -CP
R442	06S95432W85	RES, RK 103J 1/8 -CP
R443	06S95432W61	RES, RK 102J 1/8 -CP
R444	06S95432W85	RES, RK 103J 1/8 -CP
R445	06S95432W61	RES, RK 102J 1/8 -CP
R446	06S45674W33	RES, RK 101J 1/10 -CP

Symbol No.	Part No.	Description
R462	06S95433W10	RES, RK 104J 1/8 -CP
R463	06S70072F47	RES, CP .561-J-1/4-CP
R464	06S70072F47	RES, CP .561-J-1/4-CP
Front P.W.Board (△▲)		
IC's		
IC401	51T85152W01	LC75883 -QT
IC402	51T35614Y01	SBX3050-02 -NE5
Transistor		
Q405	48T62967F02	TR, DTC114EKA-T146-CP
Diodes		
D411	48T94471F04	DIO, IMN10-T108 -CP
D412	48T94471F04	DIO, IMN10-T108 -CP
D414	48T85357W01	DIO, 1PS226 -CP
ZD401	48T62934F26	DIO, ZEN. RD6. 2MB3 -CP
Switches		
SW401	40T55656W06	SW, TACT SKQMAJ001-E2(T. INFO)
SW402	40T55656W06	SW, TACT SKQMAJ001-E2(TUNE UP)
SW403	40T55656W06	SW, TACT SKQMAJ001-E2 (TUNE/A. ME/PLAY/PAUSE)
SW404	40T55656W06	SW, TACT SKQMAJ001-E2(TUNE DN)
SW405	40T55656W06	SW, TACT SKQMAJ001-E2(MODE/LOUD)
SW406	40T55656W06	SW, TACT SKQMAJ001-E2(POWER/SOURCE)
SW407	40T55656W06	SW, TACT SKQMAJ001-E2(BAND)
SW408	40T55656W06	SW, TACT SKQMAJ001-E2(BASS C)
SW409	40T55656W06	SW, TACT SKQMAJ001-E2(TREBLE C)
SW410	40T55656W06	SW, TACT SKQMAJ001-E2(TITLE)
SW411	40T55656W06	SW, TACT SKQMAJ001-E2(F/SETUP)
SW412	40T55656W06	SW, TACT SKQMAJ001-E2(1/AF)
SW413	40T55656W06	SW, TACT SKQMAJ001-E2(2/NEWS)
SW414	40T55656W06	SW, TACT SKQMAJ001-E2(3/PTY)
SW415	40T55656W06	SW, TACT SKQMAJ001-E2(4/M. I. X.)
SW416	40T55656W06	SW, TACT SKQMAJ001-E2(5/REPEAT)
SW417	40T55656W06	SW, TACT SKQMAJ001-E2(6/SCAN)
SW421	40T55656W06	SW, TACT SKQMAJ001-E2(EJECT)
SW422	40T55656W06	SW, TACT SKQMAJ001-E2(VOL UP)
SW423	40T55656W06	SW, TACT SKQMAJ001-E2(VOL DN)

NOTE : ○ : For CDM-7859RB Model Only, ● : For CDM-7858RB Model Only,
△ : For CDM-7856R Model Only, ▲ : For CDM-7856RM Model Only, Others : Common.

	Symbol No.	Part No.	Description
	LED's		
	LD401	48T25534Y02	LED, RED BR1111C -CP
△	LD407	48T25534Y01	LED, GRN BG1111C -CP
▲	LD407	48T25534Y03	LED, AMB AA1111C -CP
△	LD408	48T25534Y01	LED, GRN BG1111C -CP
▲	LD408	48T25534Y03	LED, AMB AA1111C -CP
△	LD409	48T25534Y01	LED, GRN BG1111C -CP
▲	LD409	48T25534Y03	LED, AMB AA1111C -CP
	LD410	48T25534Y10	LED, YEL FY1111C -CP
	LD411	48T25534Y10	LED, YEL FY1111C -CP
△	LD416	48T25534Y01	LED, GRN BG1111C -CP
▲	LD416	48T25534Y03	LED, AMB AA1111C -CP
△	LD417	48T25534Y01	LED, GRN BG1111C -CP
▲	LD417	48T25534Y03	LED, AMB AA1111C -CP
△	LD418	48T25534Y01	LED, GRN BG1111C -CP
▲	LD418	48T25534Y03	LED, AMB AA1111C -CP
△	LD419	48T25534Y01	LED, GRN BG1111C -CP
▲	LD419	48T25534Y03	LED, AMB AA1111C -CP
△	LD420	48T25534Y01	LED, GRN BG1111C -CP
▲	LD420	48T25534Y03	LED, AMB AA1111C -CP
	Lamps		
△	PL401	65T45309Y03	LAMP, CLRGRN 9-100-E5
▲	PL401	65T45309Y02	LAMP, AMB 9-100 -E5
△	PL402	65T35324Y02	LAMP, GRN 6-80 -E5
▲	PL402	65T35324Y03	LAMP, AMB 6-80 -E5
△	PL403	65T35324Y02	LAMP, GRN 6-80 -E5
▲	PL403	65T35324Y03	LAMP, AMB 6-80 -E5
△	PL405	65T35324Y02	LAMP, GRN 6-80 -E5
▲	PL405	65T35324Y03	LAMP, AMB 6-80 -E5
△	PL406	65T35324Y02	LAMP, GRN 6-80 -E5
▲	PL406	65T35324Y03	LAMP, AMB 6-80 -E5
△	PL407	65T45309Y03	LAMP, CLRGRN 9-100-E5
▲	PL407	65T45309Y02	LAMP, AMB 9-100 -E5
	Capacitors		
	C404	08S82122F57	CAP, CER. 681J-CH1H-CP
	C405	08T15399W03	CAP, CER. 473K-B1H -CP
	C406	08T15399W03	CAP, CER. 473K-B1H -CP
	C407	08T15399W03	CAP, CER. 473K-B1H -CP
	C408	08T81833F08	CAP, CER 475K-B1A -CP

	Symbol No.	Part No.	Description
	Resistors		
	R401	06S70072F43	RES, CP .391-J-1/4-CP
△	R402	06S70072F11	RES, CP .18R-J-1/4-CP
▲	R402	06S70072F21	RES, CP .47R-J-1/4-CP
△	R403	06S70072F11	RES, CP .18R-J-1/4-CP
▲	R403	06S70072F21	RES, CP .47R-J-1/4-CP
△	R404	06S70072F09	RES, CP .15R-J-1/4-CP
▲	R404	06S35095Y08	RES, RK JUMPER 1/4-CP
△	R405	06S70072F09	RES, CP .15R-J-1/4-CP
▲	R405	06S35095Y08	RES, RK JUMPER 1/4-CP
	R407	06S70072F43	RES, CP .391-J-1/4-CP
	R409	06S70072F45	RES, CP .471-J-1/4-CP
	R410	06S70072F45	RES, CP .471-J-1/4-CP
	R411	06S70072F55	RES, CP .122-J-1/4-CP
	R414	06S95432W61	RES, RK 102J 1/8 -CP
	R415	06S95432W61	RES, RK 102J 1/8 -CP
	R416	06S95432W61	RES, RK 102J 1/8 -CP
	R417	06S95432W61	RES, RK 102J 1/8 -CP
	R418	06S95432W61	RES, RK 102J 1/8 -CP
	R419	06S95432W77	RES, RK 472J 1/8 -CP
	R420	06S95432W61	RES, RK 102J 1/8 -CP
	R421	06S95432W61	RES, RK 102J 1/8 -CP
	R422	06S95432W61	RES, RK 102J 1/8 -CP
	R423	06S95432W61	RES, RK 102J 1/8 -CP
	R424	06S95433W01	RES, RK 433J 1/8 -CP
	R425	06S95432W61	RES, RK 102J 1/8 -CP
	R426	06S95432W61	RES, RK 102J 1/8 -CP
	R427	06S95432W61	RES, RK 102J 1/8 -CP
	R428	06S95432W61	RES, RK 102J 1/8 -CP
	R429	06S95432W61	RES, RK 102J 1/8 -CP
	R430	06S95432W61	RES, RK 102J 1/8 -CP
	R440	06S95432W85	RES, RK 103J 1/8 -CP
	R441	06S95432W85	RES, RK 103J 1/8 -CP
	R442	06S95432W85	RES, RK 103J 1/8 -CP
	R443	06S95432W61	RES, RK 102J 1/8 -CP
	R444	06S95432W85	RES, RK 103J 1/8 -CP
	R445	06S95432W61	RES, RK 102J 1/8 -CP
	R446	06S45674W33	RES, RK 101J 1/10 -CP
	R462	06S95433W10	RES, RK 104J 1/8 -CP
	ST REMO P.W.Board		
	Transistors		
	Q691	48T62967F02	TR, DTC114EKA-T146-CP
	Q692	48T62967F02	TR, DTC114EKA-T146-CP

NOTE : △ : For CDM-7856R Model Only. ▲ : For CDM-7856RM Model Only. Others : Common.

	Symbol No.	Part No.	Description
	Q693	48T63420F01	TR, 2SA1037AK-146 -CP
	Q694	48T62967F02	TR, DTC114EKA-T146-CP
	Diode		
	D691	48T63462F01	DIO, CP. DAN202K -96
	Capacitors		
	C691	08S45677W36	CAP, CER. 101J-CH1H-CP
	C692	08S45676W73	CAP, CER. 103K-B1H -CP
	C693	08S65128F88	CAP, CER 104K-B1H -CP
	C694	08S45676W65	CAP, CER. 222K-B1H -CP
	Resistors		
	R691	06S45674W57	RES, RK 102J 1/10 -CP
	R692	06S45674W89	RES, RK 223J 1/10 -CP
	R693	06S45674W89	RES, RK 223J 1/10 -CP
	R694	06S45674W81	RES, RK 103J 1/10 -CP
	R695	06S45674W65	RES, RK 222J 1/10 -CP
	R696	06S45674W69	RES, RK 332J 1/10 -CP
	R697	06S45674W33	RES, RK 101J 1/10 -CP
	Miscellaneous		
	ANT001	09T01876K01	ANT, RECEPTACLE
	CB801	09T35343Y16	WTB, IMSA9451B-16 -DB
	CH401	09T15298Y15	BTB, TMD-V15P-A1 -B
	DIN501	09T55493W02	DIN, SKT 8P CMS-R -DT
	JK201	09T00992K01	RCA, T5880-AADA -DB (REAR/SUB-W)
	JK691	09T95460W01	JAC, HSJ0857-01-1010+
○	LCD401	65T45175Y02	LCD, 7870R0
●	LCD401	65T45175Y05	LCD, WTD-10456AAH -DB
△	LCD401	65T45175Y03	LCD, WTD-20238ACH -DB
▲	LCD401	65T45175Y04	LCD, WTD-20238AEH -DB
	SW601	40T55182W06	SW, TACT SKHVLK -R5

Symbol No.	Part No.	Description

NOTE : ○ : For CDM-7859RB Model Only, ● : For CDM-7858RB Model Only,
△ : For CDM-7856R Model Only, ▲ : For CDM-7856RM Model Only, Others : Common.

CDM-7859RB/CDM-7858RB
CDM-7856R/CDM-7856RM
Cabinet Assembly Parts List

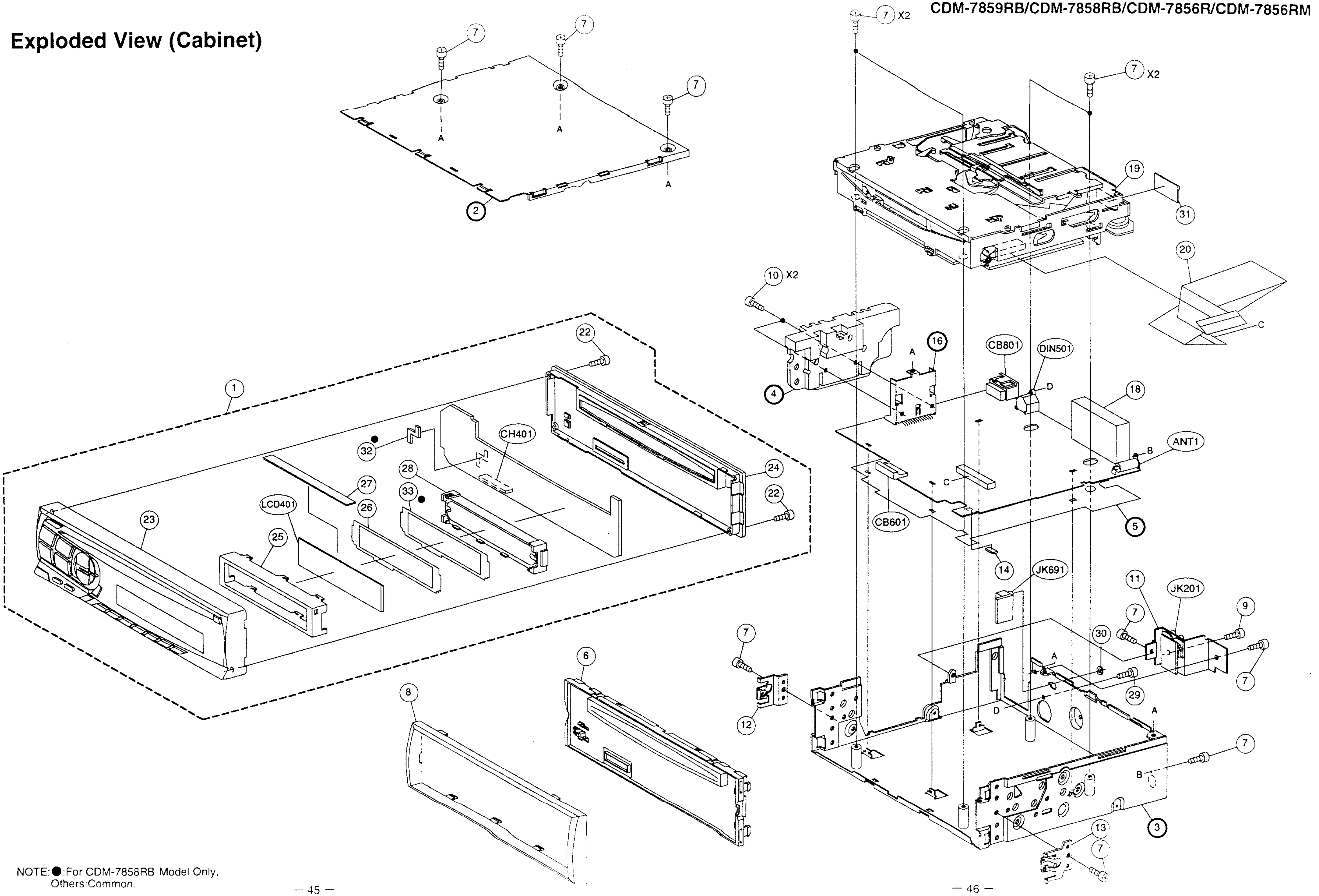
NOTE:Parts without part number are not supplied.

Symbol No.		Index	Part No.	Description
○	1		01V46700Y41	ASSY, NOSE UNIT 59RE
●	1		01V46700Y36	ASSY, NOSE UNIT 58RE
△	1		01V46700Y33	ASSY, NOSE UNIT 56RS
▲	1		01V46700Y17	ASSY, NOSE UNIT 56RT
	6		13C01847K01	FRONT, ESCU ASSY
	7		03S44205G29	SCR, T-TITE M2.6X6
○	8		33C01797K03	FACE, PLATE
●	8		33C01797K01	FACE, PLATE
△	8		33C01797K01	FACE, PLATE
▲	8		33C01797K01	FACE, PLATE
	9		03S71677F05	SCR, T-TITE-B M3X8
	10		03S38013W05	SCR, T-TITE M2.6X16
	11		07B00897K02	BKT, RCA
	12		07D00749K01	BKT, SIDE L
	13		07D00749K02	BKT, SIDE R
	14		75S21219Y58	CUSHIO, RUB 3X8XT1
	18		77B41246Y01	MB4R0020, FM/AM UNIT(TU001)
	19		81D31851Y01	DP23S07A, CD MECH
	20		30T45473Y01	RLW0419-1A
	22		03S71677F56	SCR, B-TITE M1.7X12
○	23		13C01783K01	NOSE, PIECE ASSY
●	23		13C01783K02	NOSE, PIECE ASSY
△	23		13C01782K03	NOSE, PIECE ASSY
▲	23		13C01783K03	NOSE, PIECE ASSY
○	24		13D01845K02	NOSE, BOTTOM
●	24		13D01845K01	NOSE, BOTTOM
△	24		13D01845K01	NOSE, BOTTOM
▲	24		13D01845K01	NOSE, BOTTOM
	25		15B01768K01	COVER, LCD
○	26		26A41975Y01	REFLECTOR, SHEET
●	26		26A41376Y01	REFRECTOR, SHEET
△	26		26A41975Y01	REFLECTOR, SHEET
▲	26		26A41975Y01	REFLECTOR, SHEET
	27		75T85248W12	RUBBER, ELECTRIC
○	28		15D01770K01	CASE, LCD ASSY
●	28		15D01770K01	CASE, LCD ASSY
△	28		15D01772K01	CASE, LCD ASSY
▲	28		15D01772K01	CASE, LCD ASSY
	29		03S68555F16	SCR. WAVE M2.6X8
	30		02S40000G53	NUTS. HEXAGON
	31		75T25010Y42	CUSHION, SLDP13-425L
●	32		75A50015Y01	CUSHION, RUBBER
●	33		26A41376Y02	PEFLECTOR, SHEET(A)

Symbol No.	Index	Part No.	Description

NOTE : ○ : For CDM-7859RB Model Only, ● : For CDM-7858RB Model Only,
△ : For CDM-7856R Model Only, ▲ : For CDM-7856RM Model Only, Others : Common.

Exploded View (Cabinet)

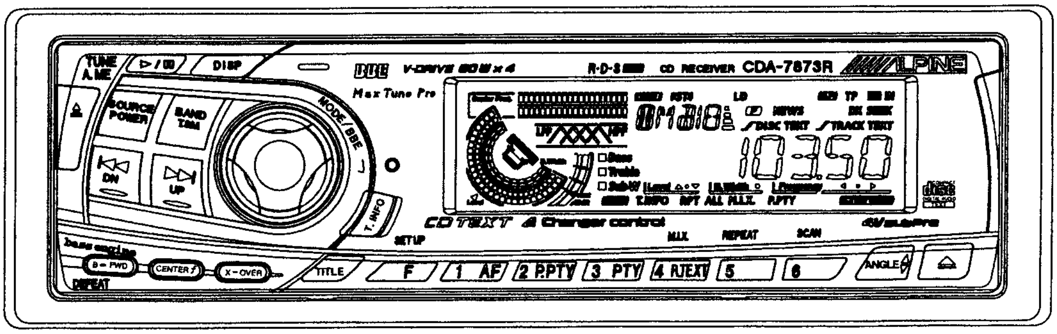

7
7
7
A
A
A
2
7 X2
7 X2
19
31
20
C
10 X2
16
A
4
CB801
DIN501
D
18
ANT1
B
C
5
CB601
14
JK691
11
JK201
9
7
30
7
29
7
12
A
D
A
7
B
3
13
7
1
22
24
22
CH401
32
28
27
33
26
LCD401
23
25
6
8

NOTE: ●:For CDM-7858RB Model Only.
Others:Common.

ALPINE

SERVICE MANUAL

FM/MW/LW/RDS CD Receiver


TUNE
A.ME
▷/II
DISP
SOURCE
POWER
BAND
T.SM
DN
UP
MODE/BBE
T. INFO
BBE
V-DRIVE 60W×4
Max Tune Pro
R·D·S
CD RECEIVER CDA-7873R
ALPINE
LD
TP
NEWS
DISC TEXT
TRACK TEXT
10350
Bass
Treble
Sub-W
T.INFO
RPT ALL
M.I.X.
P.PTY
CD TEXT
Changer control
SETUP
M.I.X.
REPEAT
SCAN
bass engine
B-FWD
CENTER
X-OVER
DIPEAT
TITLE
F
1 AF
2 P.PTY
3 PTY
4 R.TEXT
5
6
ANGLE

CDA-7873R

Contents

Packing Assembly Parts List 3
Packing Method View 3
Specifications 4, 5
Extension Cable 6
Adjustment Procedures 7, 8
Adjustment Locations 9
Block Diagram 10
Parts Layout on P.W.Boards and Wiring Diagram .... 11~20
Schematic Diagram .... 21~32
Terminal Voltage of IC/TR .... 33~41
Description of IC Terminal .... 42~47
Electrical Parts List .... 48~58
Exploded View (Cabinet) .... 59~62
Cabinet Assembly Parts List 63
CD Deck Mechanism Assembly Parts List 64
Exploded View (CD Deck Mechanism) (DP23S07A) 65, 66

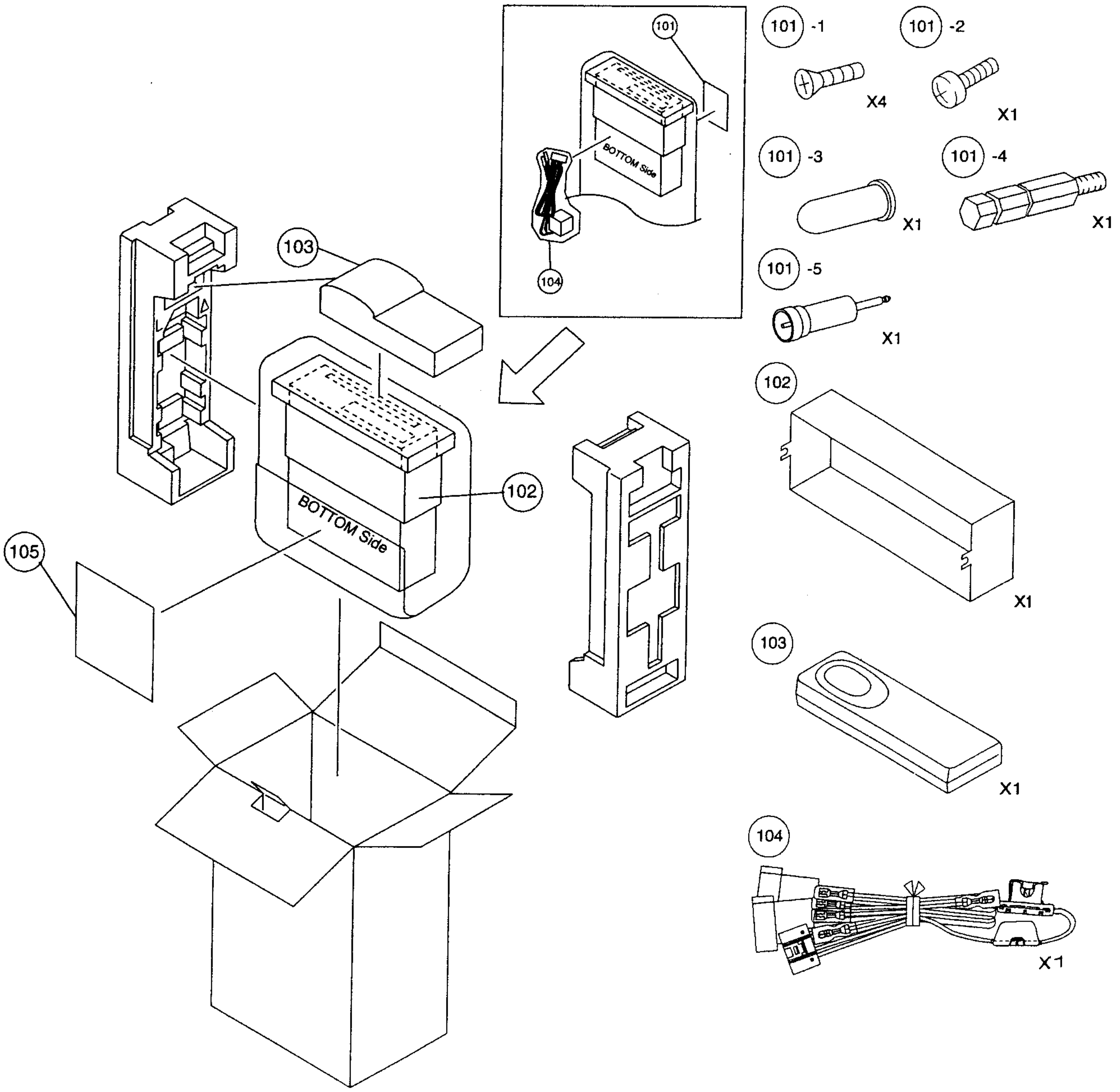
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03S72235F13	SCR,MCH M5X8 FLAT
101-2	03S68555F26	SCR,WAVE M1.7X4
101-3	36A11113W01	CAP,RUBBER(A)
101-4	03A11112W01	BOLT,HEX.M5(A)
101-5	01T15394Y02	ANT,JASO-ISO

Symbol No.	Part No.	Description
102	15D50406W01	CASE,INNER
103	15D01798K01	CARRYING,CASE
104	01T35536Y01	ASSY,WIRE ISO 65R0
105	68P01434K31	O/M AOEU AODN

Packing Method View


101
104
BOTTOM Side
101 -1
X4
101 -2
X1
101 -3
X1
101 -4
X1
101 -5
X1
103
102
BOTTOM Side
105
102
X1
103
X1
104
X1

Specifications

<FM RADIO>

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	17.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	21.2dBf
Residual Noise (Ref. 400Hz (narrow), at 98.1MHz)	25±10dB
S/N Ratio (at 98.1MHz)	Stereo : 55dB Mono : 60dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dBμ, at 98.1MHz)	1%
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB 10kHz : -12±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	36.2dBf

<MW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	34dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 1,404kHz)	50dB
IF Rejection (at 603kHz)	60dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB 4kHz : -11+6, -12dB

<LW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	153~281kHz
Usable Sensitivity (20dB S/N, at 216kHz)	42dB
S/N Ratio (at 216kHz)	44dB
Image Rejection (at 270kHz)	50dB
IF Rejection (at 162kHz)	60dB
Distortion (at 216kHz)	1.5%
Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3±4dB 4kHz : -11+6, -12dB

<CD SECTION>

System	Optical (Compact Disc System)
Quantizing Bit Number	16bit Linear system
Channels	2 Channels
Channel Balance (1kHz)	0±3dB
Distortion (1kHz)	0.1%
Frequency Response (Ref. 1kHz)	17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : 0±4dB
S/N Ratio	95dB
Separation (1kHz)	55dB
De-Emphasis (Ref. 1kHz)	4kHz : -20±3dB 16kHz : -20±3dB

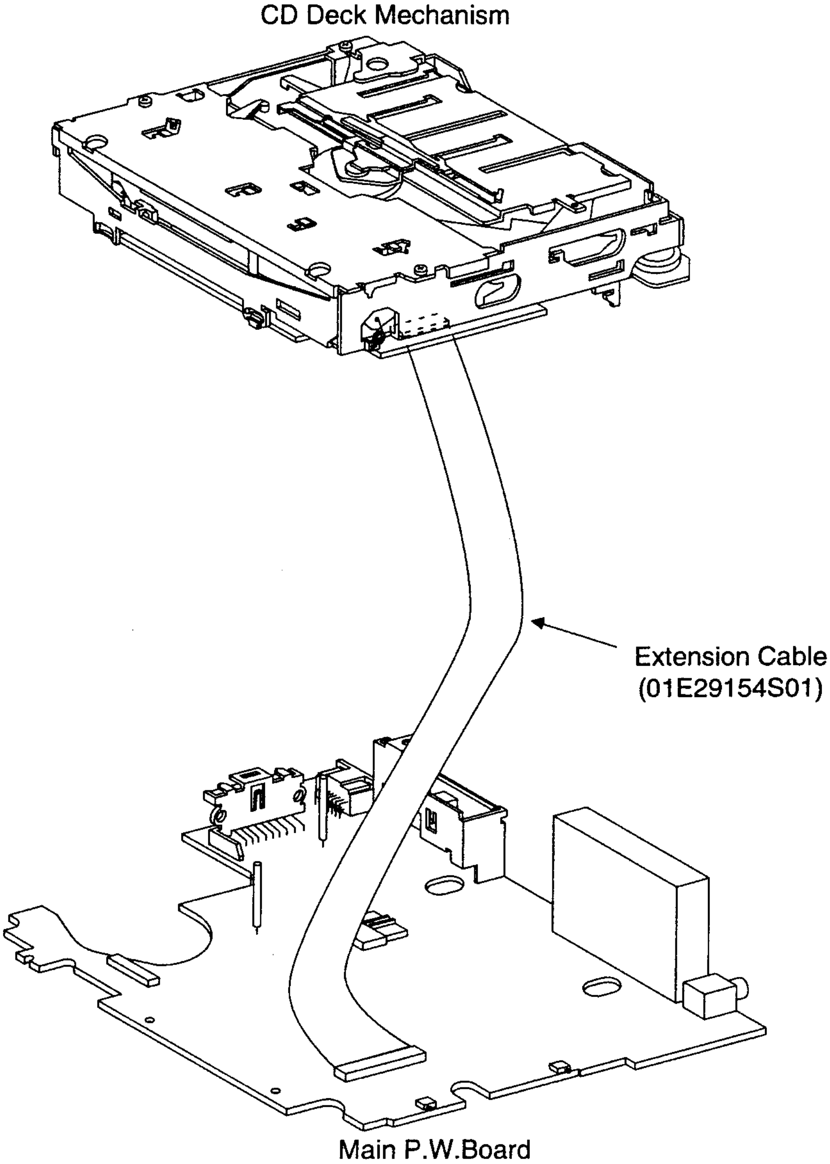
<GENERAL>

Power Supply	DC14.4V
Power Output (T.H.D. 10%, TCD-782 (0dB, 1kHz)) /Impedance	25W/ch/4ohm
Pre Output (T.H.D. 1%, TCD-782 (0dB, 1kHz)) /Impedance	2V±2.5dBV/10Kohm
SUB. W Output (T.H.D. 1%, TCD-782 (0dB, 1kHz), STEP +15) /Impedance	4V±2.5dBV/10Kohm
Dimensions (W×H×D)	Chassis : 178×50×158mm Nose : 188×58×24.5mm
Weight	1.5kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Extension Cable

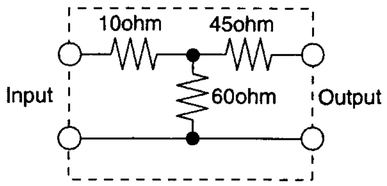
- When repairing or measuring the voltage of this unit, connect with the Extension Cable as shown in below.


CD Deck Mechanism
Extension Cable
(01E29154S01)
Main P.W.Board

Adjustment Procedures

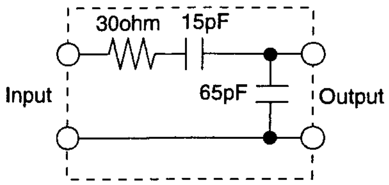
1. FM/AM SECTION

(1) Dummy Antenna Circuit


10ohm
45ohm
Input
60ohm
Output

For 50 ohm FM Signal Generator

Figure 1


30ohm
15pF
Input
65pF
Output

For 50 ohm AM Signal Generator

Figure 2

(2) Connections

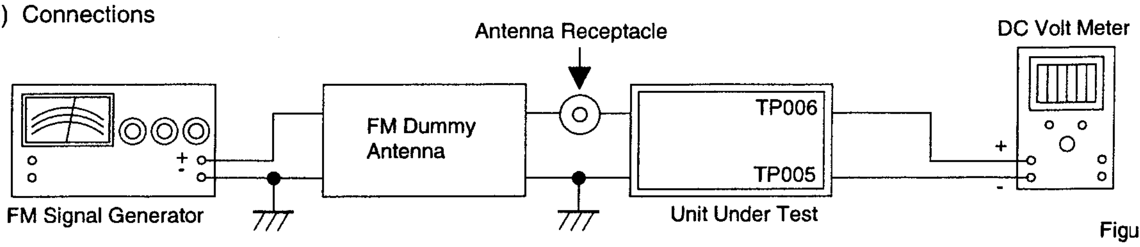

Antenna Receptacle
DC Volt Meter
FM Dummy Antenna
TP006
TP005
+
-
FM Signal Generator
Unit Under Test

Figure 3

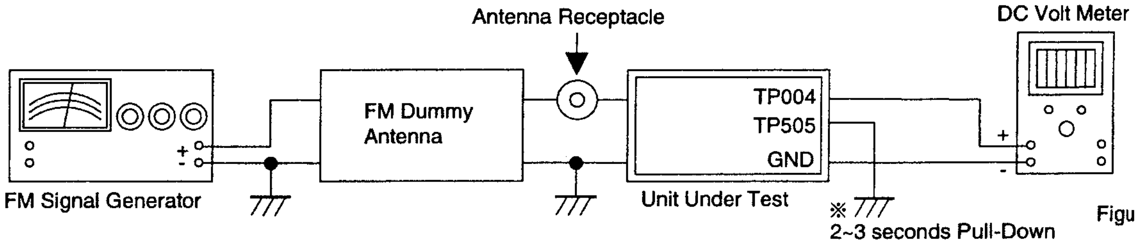

Antenna Receptacle
DC Volt Meter
FM Dummy Antenna
TP004
TP505
GND
+
-
FM Signal Generator
Unit Under Test
※
2~3 seconds Pull-Down

Figure 4

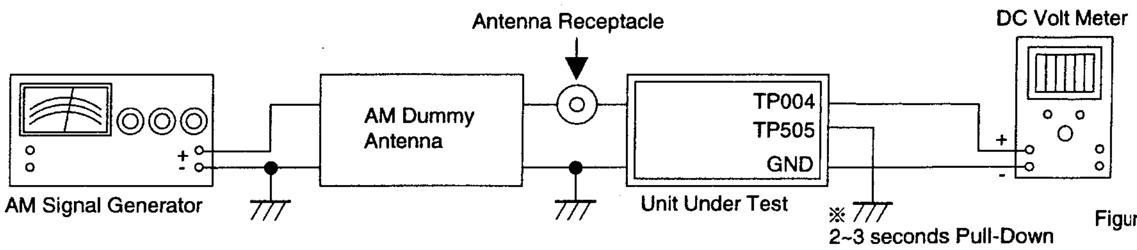

Antenna Receptacle
DC Volt Meter
AM Dummy Antenna
TP004
TP505
GND
+
-
AM Signal Generator
Unit Under Test
※
2~3 seconds Pull-Down

Figure 5

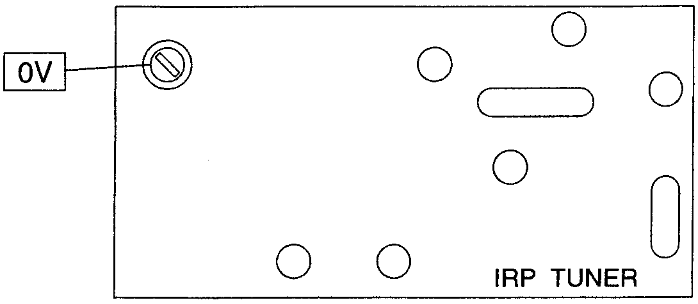
(3) Control Settings

Power Switch	ON	Bass Control	Center Position
Fader Control	Center Position	Band Switch	FM/AM (MW)
Balance Control	Center Position	BBE Switch	OFF
Treble Control	Center Position	Others	OFF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator		Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	IF Adjustment	Figure 3	98.1MHz, 72dBμ (Mod. 400Hz, Dev. 40kHz)		98.1MHz	TP005 (1-B) TP006 (1-B)	Adjust $\boxed{\text{0V}}$ to 0±30mV.
2	FM Signal Meter Adjustment	Figure 4	(1)	98.1MHz, 51dBμ (Mod. 400Hz, Dev. 40kHz → Mod. OFF)	98.1MHz	TP004 (1-C) TP505 (1-C)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP505 (Pull-Down) for 2~3 seconds. (SPEC) TP004 : 3±0.1V → OK (SPEC) TP004 : others 3±0.1V → NG NOTE : NG : Proceed same Auto Adjustment of step (1) under step (2).
			(2)	98.1MHz, 46~48dBμ (Mod. 400Hz, Dev. 40kHz → Mod. OFF)	98.1MHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (2).
			(3)	98.1MHz, 51dBμ (Mod. 400Hz, Dev. 40kHz → Mod. OFF)	98.1MHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (3).
3	AM Signal Meter Adjustment	Figure 5	(1)	999kHz, 32dBμ (Mod. 400Hz, 30% → Mod. OFF)	999kHz	TP004 (1-C) TP505 (1-C)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP505 (Pull-Down) for 2~3 seconds. (SPEC) TP004 : 1.4±0.15V → OK (SPEC) TP004 : others 1.4±0.15V → NG NOTE : NG : Proceed same Auto Adjustment of step (1) under step (2).
			(2)	999kHz, 27~29dBμ (Mod. 400Hz, 30% → Mod. OFF)	999kHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (2).
			(3)	999kHz, 32dBμ (Mod. 400Hz, 30% → Mod. OFF)	999kHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (3).

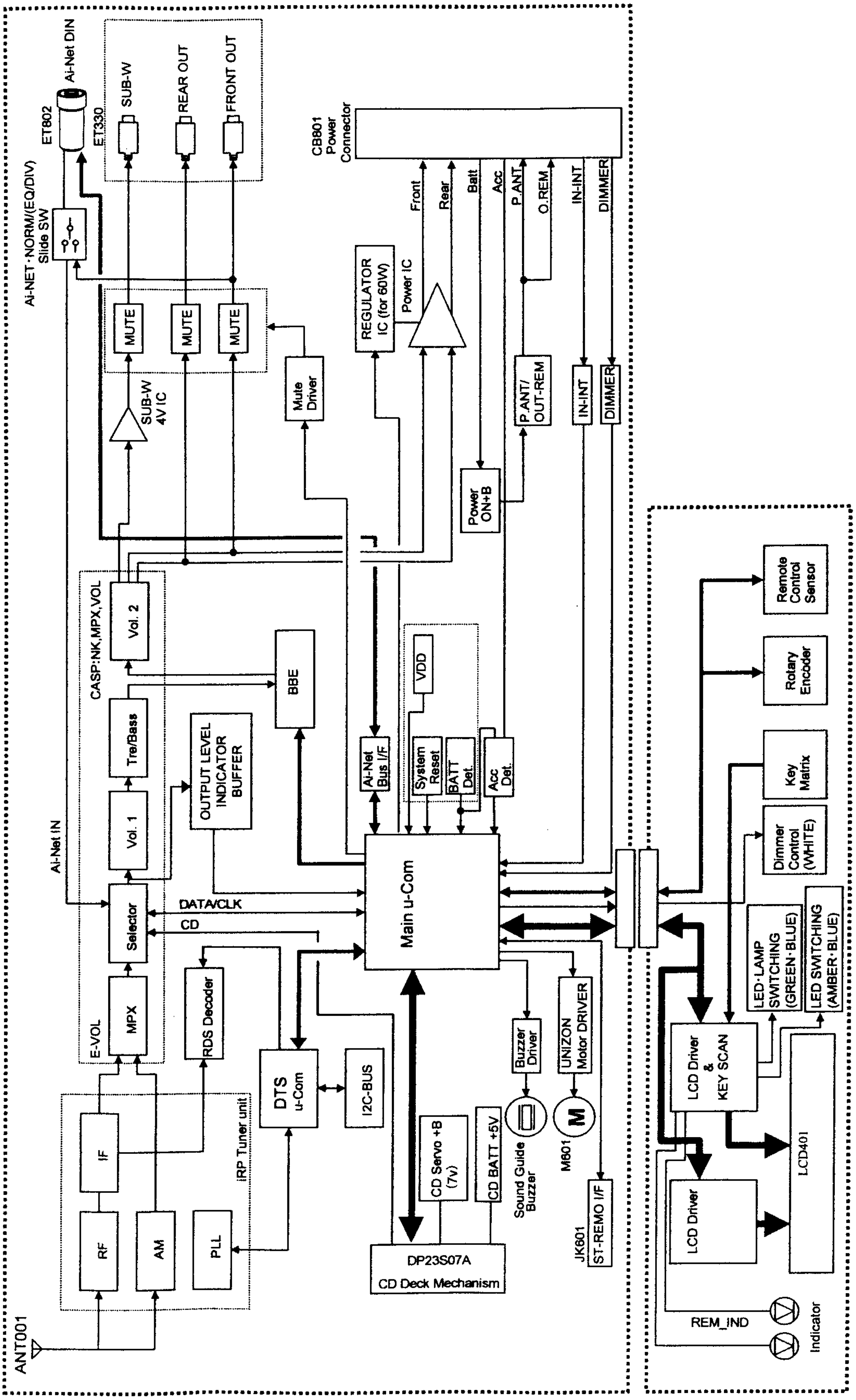
Adjustment Locations



MB4R9030, FM/AM UNIT (TU001)

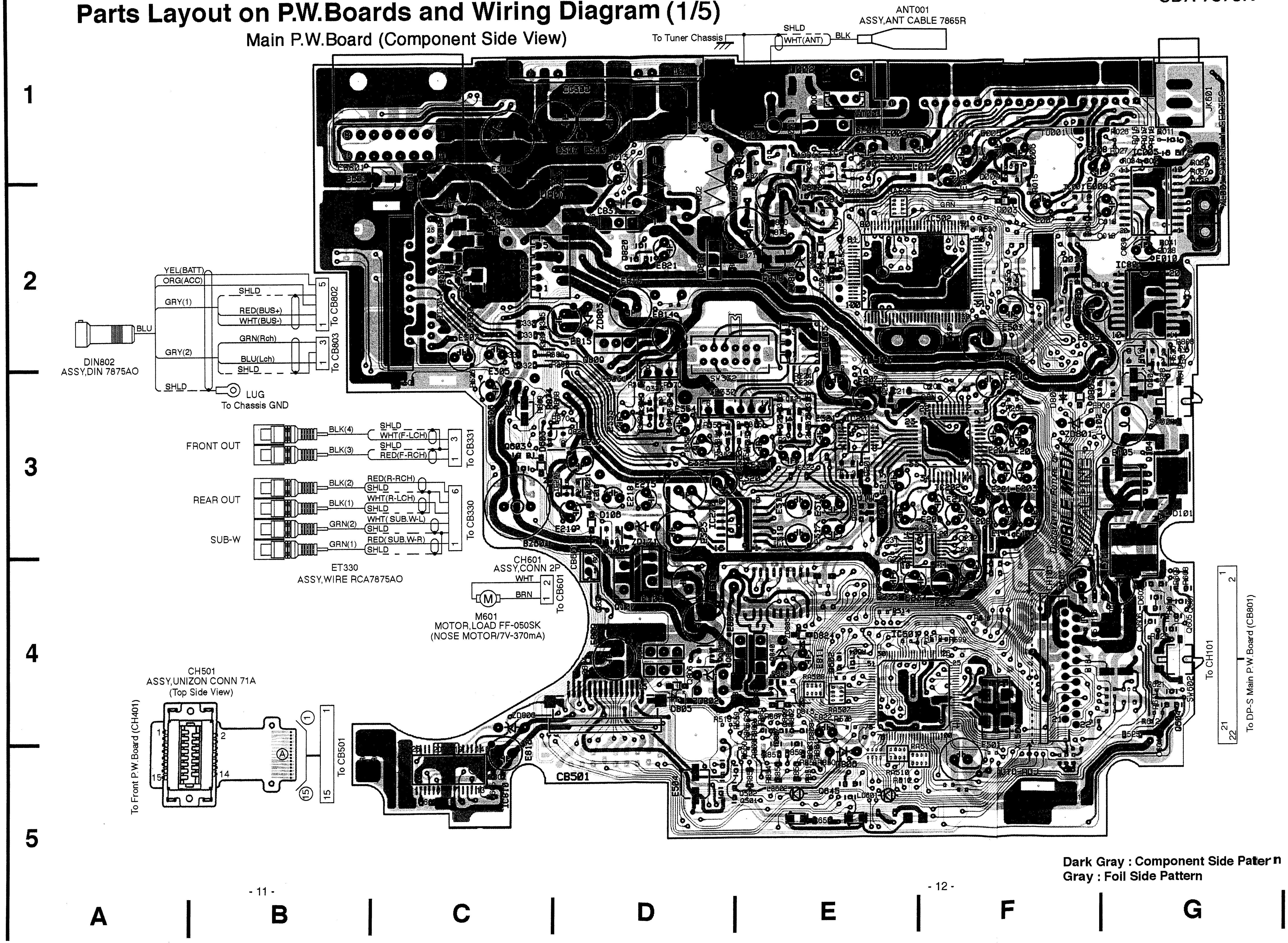
NOTE : For the Test Points, refer to the Parts Layout on P.W.Boards and Wiring Diagram.

Block Diagram


ANT001
RF
AM
PLL
IF
iRP Tuner unit
MPX
E-VOL
Selector
Vol. 1
Tre/Bass
Vol. 2
CASP:NK,MPX,VOL
Ai-Net IN
OUTPUT LEVEL INDICATOR BUFFER
BBE
RDS Decoder
DTS u-Com
I2C-BUS
DATA/CLK
CD
Main u-Com
Ai-Net Bus I/F
System Reset
BATT Det.
Acc Det.
VDD
CD Servo +B (7v)
CD BATT +5V
DP23S07A
CD Deck Mechanism
Buzzer Driver
Sound Guide Buzzer
UNIZON Motor DRIVER
M
M801
JK601
ST-REMO I/F
SUB-W 4V IC
MUTE
MUTE
MUTE
Mute Driver
SUB-W
REAR OUT
FRONT OUT
ET330
ET802
Ai-Net DIN
Ai-NET·NORM/(EQ/DIV) Slide SW
REGULATOR IC (for 60W)
Power IC
Power ON+B
P.ANT/ OUT-REM
IN-INT
DIMMER
CB801 Power Connector
Front
Rear
Batt
Acc
P.ANT
O.REM
IN-INT
DIMMER
Remote Control Sensor
Rotary Encoder
Key Matrix
Dimmer Control (WHITE)
LED·LAMP SWITCHING (GREEN·BLUE)
LED SWITCHING (AMBER·BLUE)
LCD Driver & KEY SCAN
LCD Driver
LCD401
REM_IND
Indicator

Parts Layout on P.W.Boards and Wiring Diagram (1/5)

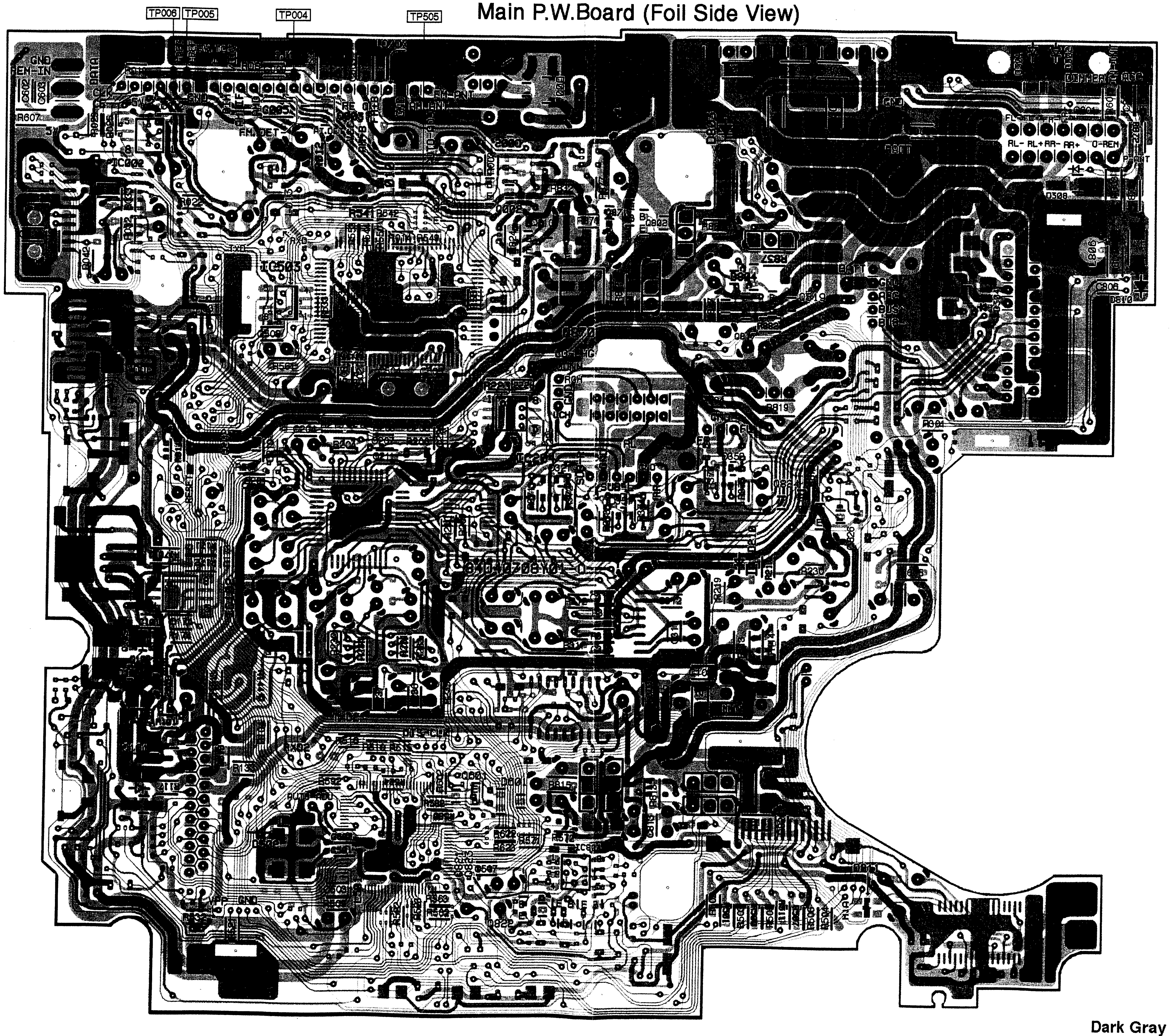
Main P.W.Board (Component Side View)


ANT001
ASSY,ANT CABLE 7865R
To Tuner Chassis
SHLD
WHT(ANT)
BLK
YEL(BATT)
ORG(ACC)
SHLD
GRY(1)
RED(BUS+)
WHT(BUS-)
BLU
GRN(Rch)
GRY(2)
BLU(Lch)
SHLD
SHLD
5
1
To CB802
3
1
To CB803
DIN802
ASSY,DIN 7875AO
LUG
To Chassis GND
FRONT OUT
BLK(4)
SHLD
WHT(F-LCH)
BLK(3)
SHLD
RED(F-RCH)
3
1
To CB331
REAR OUT
BLK(2)
RED(R-RCH)
SHLD
BLK(1)
WHT(R-LCH)
SHLD
SUB-W
GRN(2)
WHT(SUB.W-L)
SHLD
GRN(1)
RED(SUB.W-R)
SHLD
6
1
To CB330
ET330
ASSY,WIRE RCA7875AO
CH601
ASSY,CONN 2P
WHT
BRN
2
1
To CB601
M
M601
MOTOR,LOAD FF-050SK
(NOSE MOTOR/7V-370mA)
CH501
ASSY,UNIZON CONN 71A
(Top Side View)
To Front P.W.Board (CH401)
1
2
15
14
Ⓐ
①
⑮
1
15
To CB501
CB501
1
2
21
22
To DP-S Main P.W.Board (CB801)
To CH101
JK601
IC501
IC502
IC601
IC801
IC201
IC202
SW302
SW601
MOBILE MEDIA
ALPINE
1
2
3
4
5
A
B
C
D
E
F
G

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (2/5)

Main P.W.Board (Foil Side View)

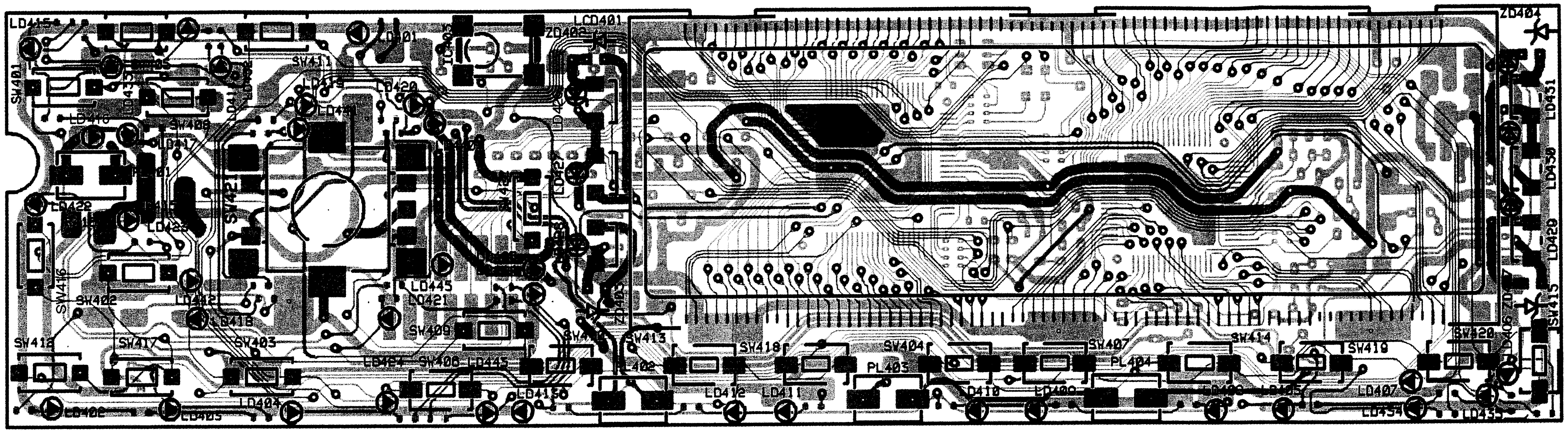

TP006
TP005
TP004
TP505
GND
REM-IN
DATA
R607
IC002
IC503
RL- RL+ RR- RR+ O-REM
D308
1
2
3
4
5
A
B
C
D
E
F
G

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (3/5)

1

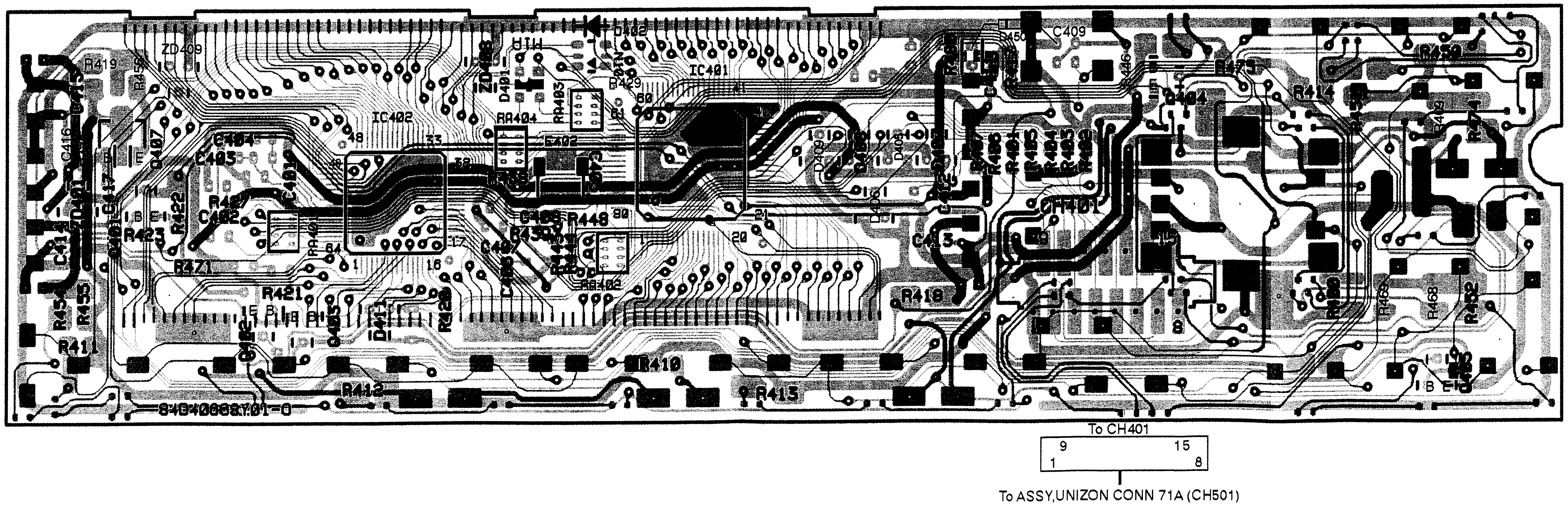
Front P.W.Board (Component Side View)


LD415
SW401
LD416
LD422
SW416
SW402
SW412
SW417
SW403
LD402
LD405
LD404
SW411
LD419
LD420
LD401
LCD401
ZD402
ZD404
LD431
LD430
LD429
SW415
SW420
SW419
LD407
LD434
LD435
SW414
SW407
PL404
SW404
PL403
SW418
SW413
LD412
LD411
LD410
LD409
LD445
LD421
SW409
LD424
SW406
LD443
LD450

2

3

Front P.W.Board (Foil Side View)


R419
ZD409
IC402
C404
C403
R422
C402
R423
R471
R421
R411
R412
R410
R413
D411
RA404
RA403
C406
R448
C407
IC401
D450
C409
R475
R414
R450
Q404
CH401
C413
R418
R468
R452
48
33
32
17
64
1
16
80
81
41
21
20
84D40008Y01-0
To CH401
9
15
1
8
To ASSY,UNIZON CONN 71A (CH501)

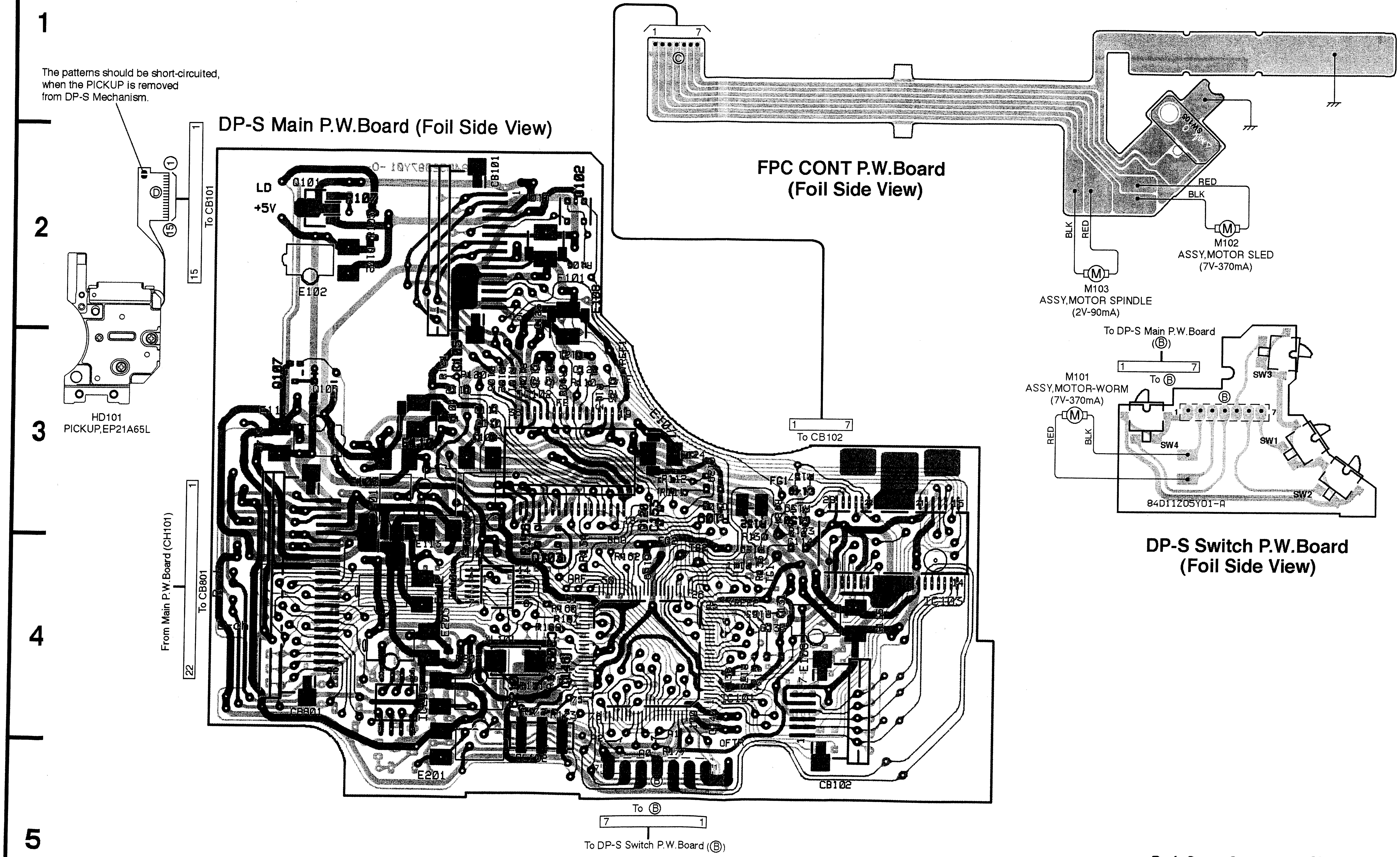
4

5

Dark Gray : Component Side Patern
Gray : Foil Side Pattern

A | B | C | D | E | F | G

Parts Layout on P.W.Boards and Wiring Diagram (4/5)


1
2
3
4
5
The patterns should be short-circuited, when the PICKUP is removed from DP-S Mechanism.
HD101
PICKUP,EP21A65L
To CB101
1
15
DP-S Main P.W.Board (Foil Side View)
LD
+5V
Q101
Q102
CB101
E102
E101
Q107
Q108
E113
E205
E201
CB801
IC101
IC103
CB102
FG1
From Main P.W.Board (CH101)
To CB801
1
22
To Ⓑ
7
1
To DP-S Switch P.W.Board (Ⓑ)
FPC CONT P.W.Board (Foil Side View)
Ⓒ
1
7
To CB102
RED
BLK
M102
ASSY,MOTOR SLED
(7V-370mA)
M103
ASSY,MOTOR SPINDLE
(2V-90mA)
To DP-S Main P.W.Board
(Ⓑ)
To Ⓑ
M101
ASSY,MOTOR-WORM
(7V-370mA)
SW1
SW2
SW3
SW4
84D11Z05Y01-A
DP-S Switch P.W.Board (Foil Side View)

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (5/5)

1

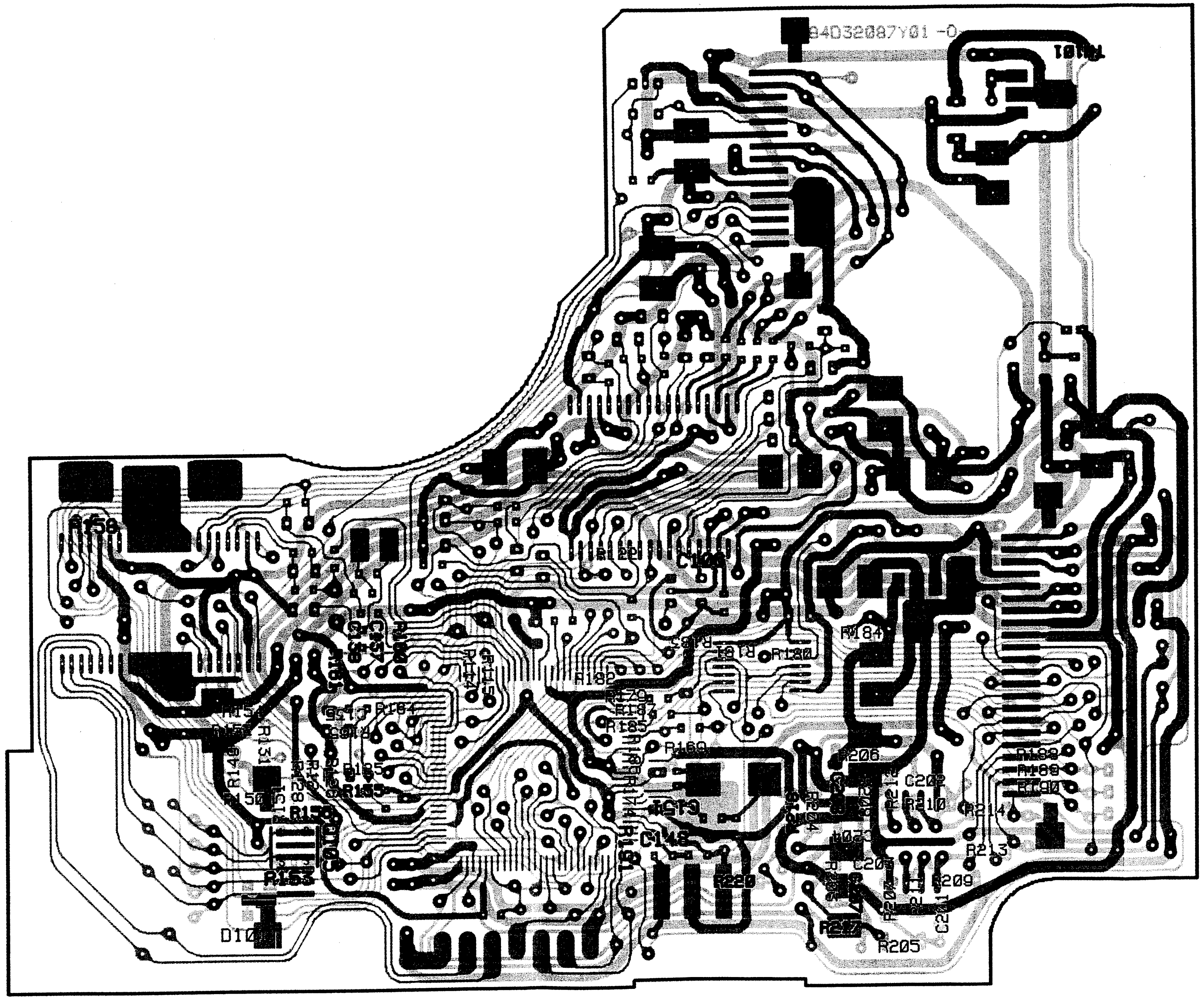
2

3

4

5

DP-S Main P.W.Board (Component Side View)

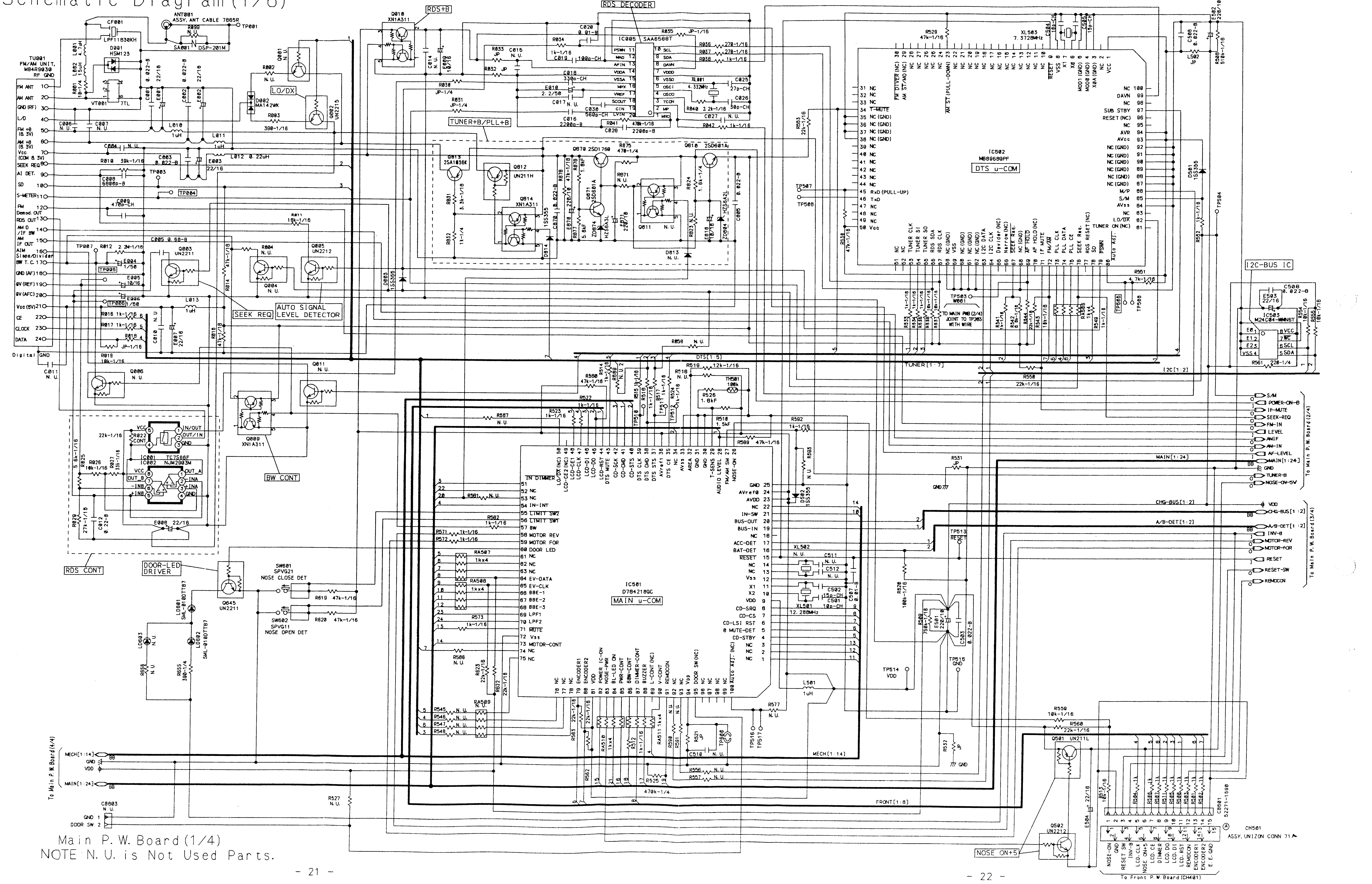

84D32087Y01 -0-
R158
R154
R152
R131
R140
R150
IC11
R128
R130
R153
C105
D102
C157
C158
R161
R114
R115
R104
C101
R135
R155
R122
C106
R183
R181
R180
R184
R182
R179
R187
R185
R169
R174
R191
IC13
C148
R220
R206
C202
R210
R214
R213
R209
C203
R207
R205
C211
R189
R188
R190

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

A | B | C | D | E | F | G

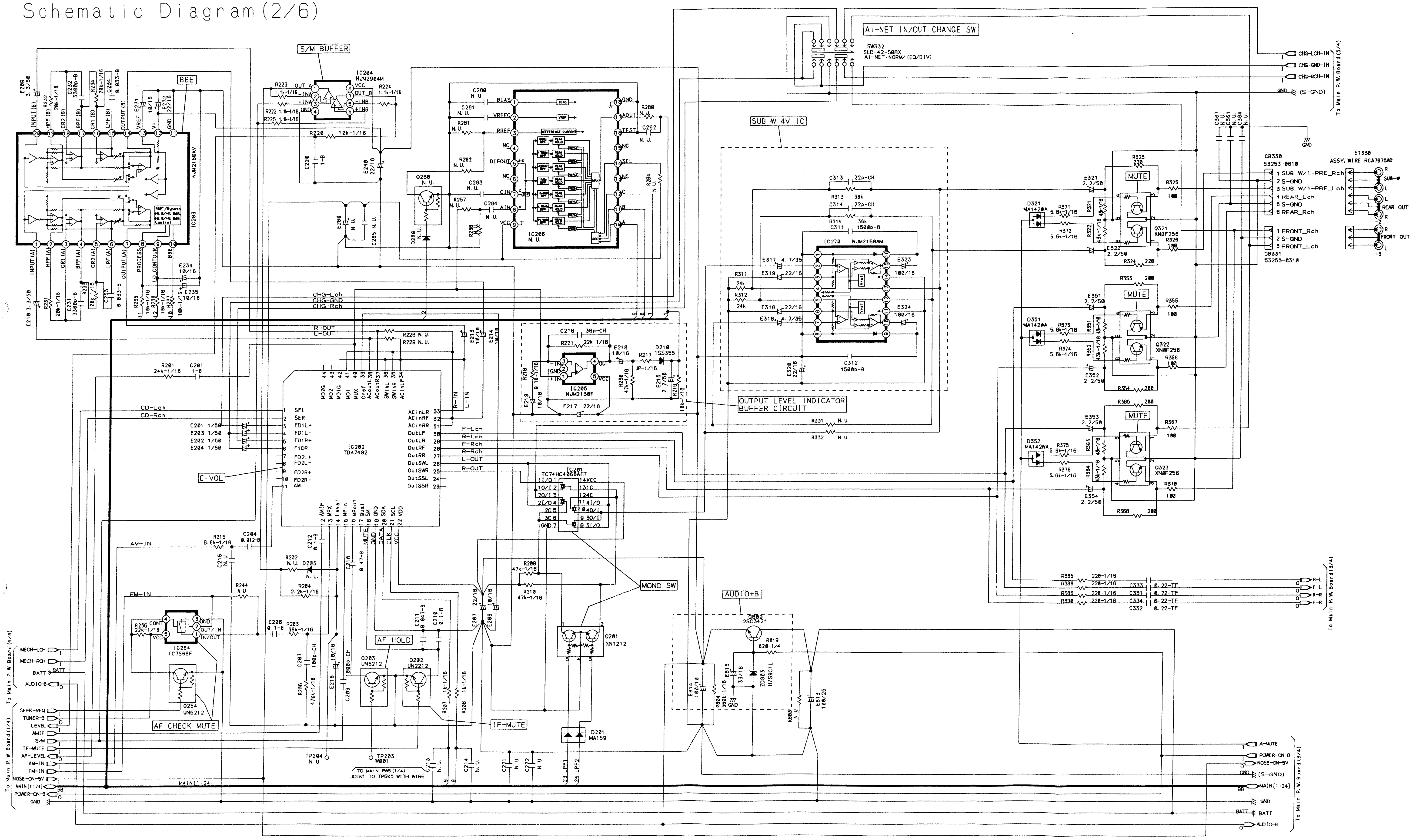
CDA-7873R

Schematic Diagram (1/6)


ANT001 ASSY, ANT CABLE 7865R
TP001
CF001 LPF11830KH
D001 HSM123
SA001 DSP-201M
TU001 FM/AM UNIT, M84R9030
FM ANT
AM ANT
GND (RF)
L/D
FM +B (8.3V)
AM +B (8.3V)
Vcc (COM 8.3V)
SEEK REQ
AI DET.
SD
S-METER
FM Demod. OUT
RDS OUT
AM D /IF BW
AM IF OUT
AIM Slope/Divider
BW T.C.
GND (AF)
0V (REF)
0V (AFC)
Vcc (5V)
CE
CLOCK
DATA
Digital GND
LO/DX
D002 MA142WK
Q001 N.U.
Q002 UN2215
Q003 UN2211
Q004 N.U.
Q005 UN2212
SEEK REQ
AUTO SIGNAL LEVEL DETECTOR
Q006 N.U.
Q009 XN1A311
Q011 N.U.
BW CONT
IC001 TC7S66F
IC002 NJM2903M
RDS CONT
DOOR-LED DRIVER
Q045 UN2211
LD001 SML-010DTT87
LD002 SML-010DTT87
LD003 N.U.
SW601 SPVG21 NOSE CLOSE DET
SW602 SPVG11 NOSE OPEN DET
RDS+B
Q018 XN1A311
RDS DECODER
IC005 SAA6588T
XL001 4.332MHz
TUNER+B/PLL+B
Q013 2SA1036K
Q012 UN211H
Q014 XN1A311
Q070 2SD1760
Q010 2SD601A
Q071 2SD601A
Q011 N.U.
D013 N.U.
D014 1SS355
D003 1SS355
ZD074 HZS6A3L
ZD004 HZS6A2L
IC502 M880680PF
DTS u-COM
XL503 7.3728MHz
TP507
TP508
TP503 W001 TO MAIN PWB (2/4) JOINT TO TP203 WITH WIRE
TUNER[1:7]
DTS[1:5]
I2C[1:2]
I2C-BUS IC
IC503 M24C04-WMN6T
IC501 D784218GC
MAIN u-COM
XL501 12.288MHz
XL502 N.U.
TH501 100k
D502 1SS355
D501 1SS355
L501 1uH
TP513 RESET
TP514 VDD
TP515 GND
TP516
TP517
TP500
Q501 UN211L
Q502 UN2212
NOSE ON+5
CH501 ASSY. UNIZON CONN 71
CB601 52271-1590
S/M
POWER-ON-B
IF-MUTE
SEEK-REQ
FM-IN
LEVEL
AMIF
AM-IN
AF-LEVEL
MAIN[1:24]
GND
TUNER-B
NOSE-ON-5V
VDD
CHG-BUS[1:2]
A/B-DET[1:2]
INV-B
MOTOR-REV
MOTOR-FOR
RESET
RESET-SW
REMOCON
To Main P.W. Board (2/4)
To Main P.W. Board (3/4)
To Main P.W. Board (4/4)
MECH[1:14]
FRONT[1:8]
CB603 N.U.
GND
DOOR SW
NOSE-ON
RESET SW
LCD.CLK
NOSE ON+5
LCD.CE
DIMMER
LCD.DO
LCD.DI
LCD.RST
REMOCON
ENCODER1
ENCODER2
E.F.GND
To Front P.W. Board (CH401)

Main P.W. Board (1/4)
NOTE N.U. is Not Used Parts.

Schematic Diagram (2/6)

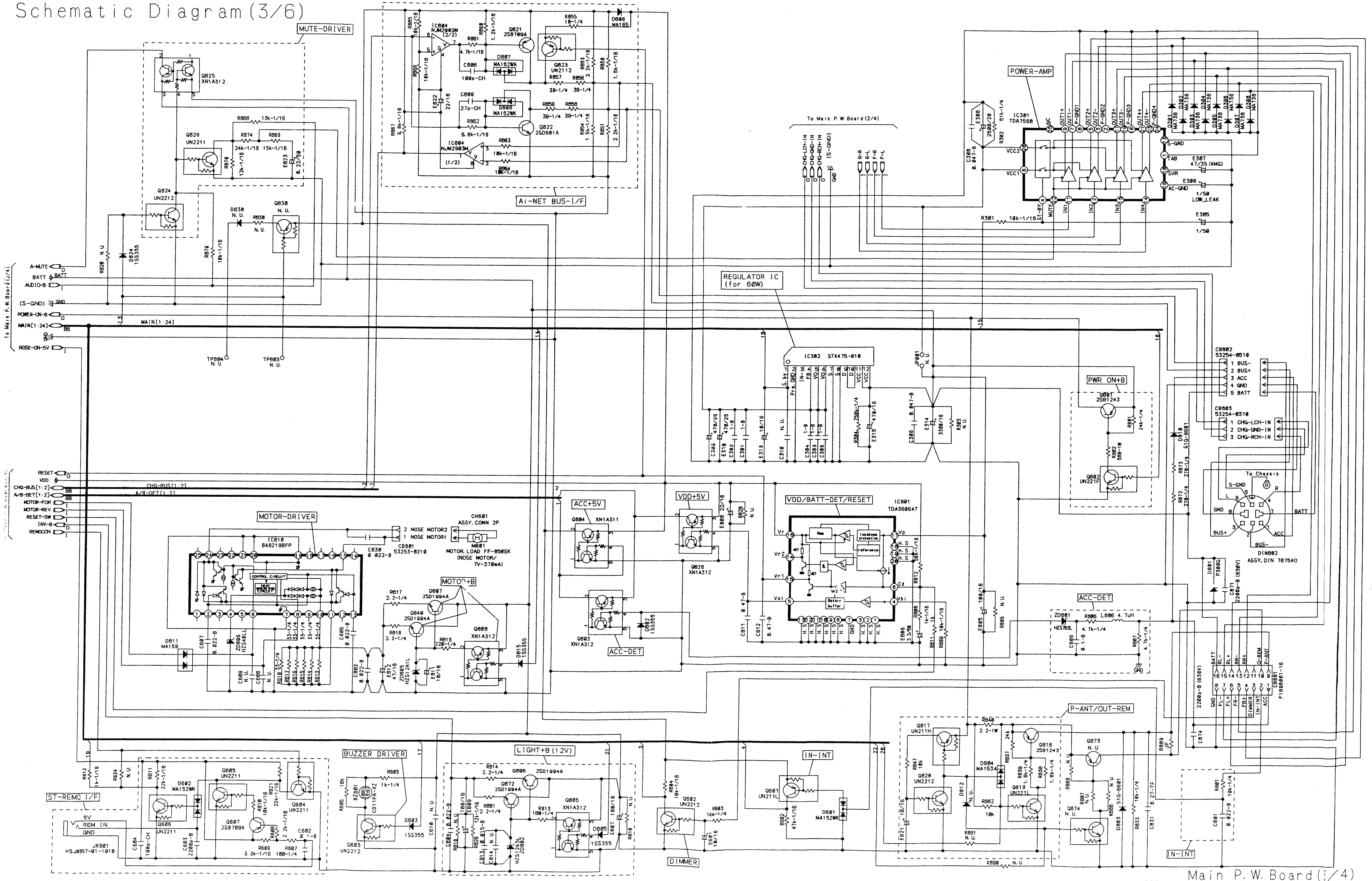

BBE
IC203 NJM2150AV
S/M BUFFER
IC204 NJM2904M
IC206 N. U.
Ai-NET IN/OUT CHANGE SW
SW332 SLD-42-508X
AI-NET·NORM/(EQ/DIV)
CHG-LCH-IN
CHG-GND-IN
CHG-RCH-IN
(S-GND)
To Main P. W. Board (3/4)
SUB-W 4V IC
IC270 NJM2160AM
OUTPUT LEVEL INDICATOR BUFFER CIRCUIT
IC205 NJM2130F
D210 1SS355
MUTE
Q321 XN0F256
Q322 XN0F256
Q323 XN0F256
D321 MA142WA
D351 MA142WA
D352 MA142WA
CB330 53253-0610
1 SUB. W/1-PRE_Rch
2 S-GND
3 SUB. W/1-PRE_Lch
4 REAR_Lch
5 S-GND
6 REAR_Rch
CB331 53253-0310
1 FRONT_Rch
2 S-GND
3 FRONT_Lch
ET330 ASSY. WIRE RCA7875AD
SUB-W
REAR OUT
FRONT OUT
CHG-Lch
CHG-GND
CHG-Rch
R-OUT
L-OUT
CD-Lch
CD-Rch
IC202 TDA7402
E-VOL
F-Lch
R-Lch
F-Rch
R-Rch
IC201 TC74HC4066AFT
MONO SW
Q288 N. U.
D288 N. U.
AM-IN
FM-IN
IC264 TC7S66F
Q254 UN5212
AF CHECK MUTE
AF HOLD
Q203 UN5212
Q202 UN2212
IF-MUTE
Q201 XN1212
D201 MA159
AUDIO+B
Q809 2SC3421
ZD803 HZS9C1L
R-L
F-L
R-R
F-R
TP204 N. U.
TP203 W801
TO MAIN PWB (1/4) JOINT TO TP605 WITH WIRE
MAIN[1:24]
To Main P W Board (4/4)
MECH-LCH
MECH-RCH
BATT
AUDIO-B
To Main P W Board (1/4)
SEEK-REQ
TUNER-B
LEVEL
AMIF
S/M
IF-MUTE
AF-LEVEL
AM-IN
FM-IN
NOSE-ON-5V
MAIN[1:24]
POWER-ON-B
GND
A-MUTE
POWER-ON-B
NOSE-ON-5V
(S-GND)
MAIN[1:24]
GND
BATT
AUDIO-B
To Main P. W. Board (3/4)

Main P. W. Board (2/4)

NOTE: N. U. is Not Used Parts.

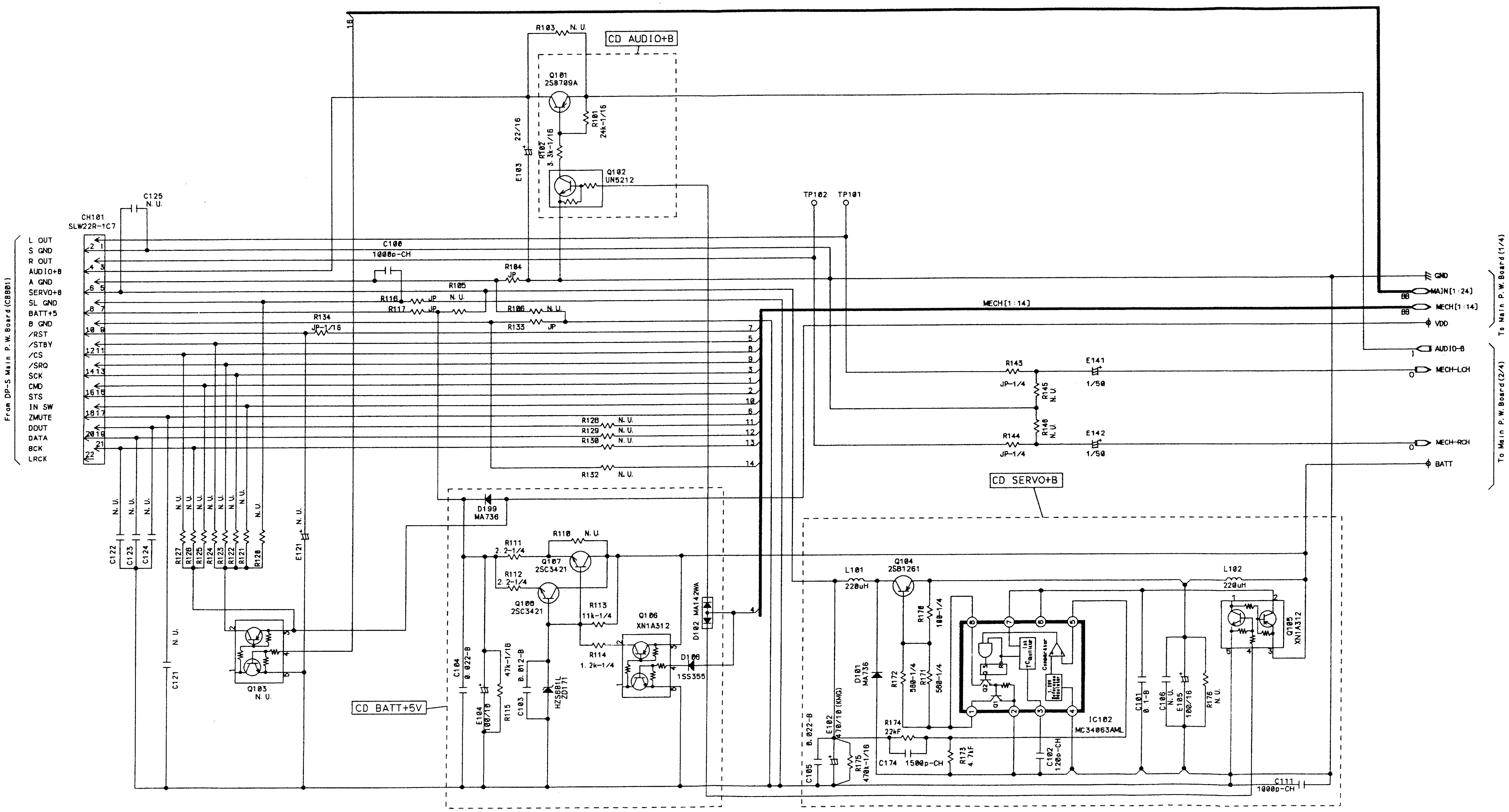
CDA-7873R

Schematic Diagram (3/6)


MUTE-DRIVER
Q825 XN1A312
Q826 UN2211
Q824 UN2212
Q830 N.U.
D830 N.U.
D824 1SS355
IC804 NJM2903M (2/2)
IC804 NJM2903M (1/2)
Q821 2SB709A
Q823 UN2112
Q822 2SD601A
D807 MA152WA
D808 MA152WK
D806 MA165
Ai-NET BUS-I/F
To Main P.W.Board (2/4)
A-MUTE
BATT
AUDIO-B
(S-GND)
POWER-ON-B
MAIN[1:24]
GND
NOSE-ON-5V
TP804 N.U
TP803 N.U
RESET
VDD
CHG-BUS[1:2]
A/B-DET[1:2]
MOTOR-FOR
MOTOR-REV
RESET-SW
INV-B
REMOCON
CHG-LCH-IN
CHG-GND-IN
CHG-RCH-IN
R-R
R-L
F-R
F-L
POWER-AMP
IC301 TDA7560
D301 MA758
D302 MA758
D303 MA758
D304 MA758
D305 MA758
D306 MA758
D307 MA758
D308 MA758
E307 47/35 (KMG)
E306 1/50
E305 1/50
LOW_LEAK
REGULATOR IC (for 60W)
IC302 STK475-010
JP801 N.U.
PWR ON+B
Q801 2SB1243
Q802 UN221F
CB802 53254-0510
1 BUS-
2 BUS+
3 ACC
4 GND
5 BATT
CB803 53254-0310
1 CHG-LCH-IN
2 CHG-GND-IN
3 CHG-RCH-IN
To Chassis
DIN802 ASSY,DIN 7875A0
MOTOR-DRIVER
IC810 BA6219BFP
CONTROL CIRCUIT
CH601 ASSY,CONN 2P
2 NOSE MOTOR2
1 NOSE MOTOR1
CB801 53253-0210
M601 MOTOR,LOAD FF-050SK (NOSE MOTOR/ 7V-370mA)
MOTOR+B
Q807 2SD1994A
Q840 2SD1994A
Q808 XN1A312
D811 MA158
D815 1SS355
ZD806 HZS4BLL
ZD805 HZS12A1L
ACC+5V
Q804 XN1A311
Q803 XN1A312
D802 1SS355
ACC-DET
VDD+5V
Q828 XN1A312
VDD/BATT-DET/RESET
IC601 TDA3606AT
ACC-DET
ZD801 HZS7B3L
L800 4.7uH
D801 P300G
CB801 F180801-16
P-ANT/OUT-REM
Q817 UN211H
Q820 UN2212
Q816 2SB1243
Q819 UN221L
D804 MA153A
Q873 N.U.
Q874 N.U.
D803 S1G-6601
IN-INT
Q601 UN211L
D601 MA152WK
DIMMER
Q602 UN2212
LIGHT+B (12V)
Q806 2SD1994A
Q872 2SD1994A
Q805 XN1A312
ZD802 HZS12A3L
D605 1SS355
BUZZER DRIVER
BZ601 CD11PA-XZ
Q603 UN2212
D603 1SS355
ST-REMO I/F
5V
REM IN
GND
JK601 HSJ0857-01-1010
Q605 UN2211
Q606 UN2211
Q607 2SB709A
Q604 UN2211
D602 MA152WK
IN-INT

Main P.W. Board (3/4)
NOTE: N.U. is Not Used Parts.

Schematic Diagram (4/6)

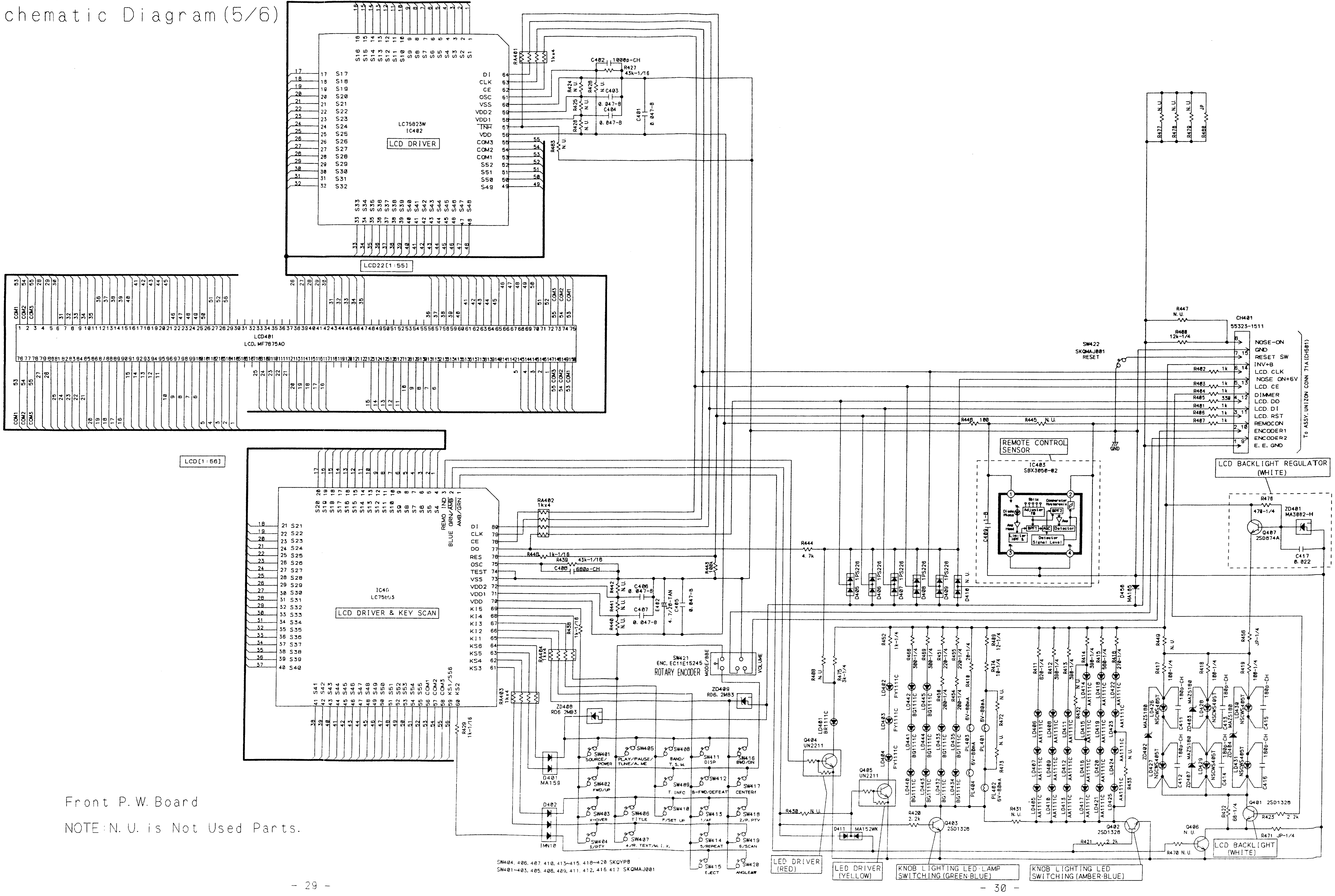

From DP-S Main P. W. Board (CB801)
CH101
SLW22R-1C7
L OUT
S GND
R OUT
AUDIO+B
A GND
SERVO+B
SL GND
BATT+5
B GND
/RST
/STBY
/CS
/SRQ
SCK
CMD
STS
IN SW
ZMUTE
DOUT
DATA
BCK
LRCK
C125
N. U.
C100
1000p-CH
R103 N. U.
CD AUDIO+B
Q101
2SB709A
R101
24k-1/16
E103
22/16
R102
3.3k-1/16
Q102
UN5212
R104
JP
R105
N. U.
R116 JP
R117 JP
R134
JP-1/16
R106 N. U.
R133 JP
R128 N. U.
R129 N. U.
R130 N. U.
R132 N. U.
TP102
TP101
MECH[1:14]
GND
MAIN[1:24]
MECH[1:14]
BB
VDD
AUDIO-B
MECH-LCH
MECH-RCH
BATT
To Main P. W. Board (1/4)
To Main P. W. Board (2/4)
R143
JP-1/4
R145
N. U.
R146
N. U.
R144
JP-1/4
E141
1/50
E142
1/50
CD SERVO+B
C122
C123
C124
R127
R126
R125
R124
R123
R122
R121
R120
N. U.
E121
C121
Q103
N. U.
D199
MA736
R110 N. U.
R111
2.2-1/4
R112
2.2-1/4
Q107
2SC3421
Q108
2SC3421
R113
11k-1/4
R114
1.2k-1/4
Q106
XN1A312
D102 MA142WA
D100
1SS355
C104
0.022-B
E104
100/10
R115
47k-1/16
C103
0.012-B
HZS6BLL
ZD171
CD BATT+5V
L101
220uH
Q104
2SB1261
R170
100-1/4
R172
560-1/4
R171
560-1/4
D101
MA736
E102
470/10 (KMG)
C105
0.022-B
R175
470k-1/16
R174
22kF
C174
1500p-CH
R173
4.7kF
C102
120p-CH
IC102
MC34063AML
C101
0.1-B
C106
N. U.
E105
100/16
R176
N. U.
L102
220uH
Q105
XN1A312
C111
1000p-CH

Main P. W. Board (4/4)

NOTE: N. U. is Not Used Parts.

CDA-7873R

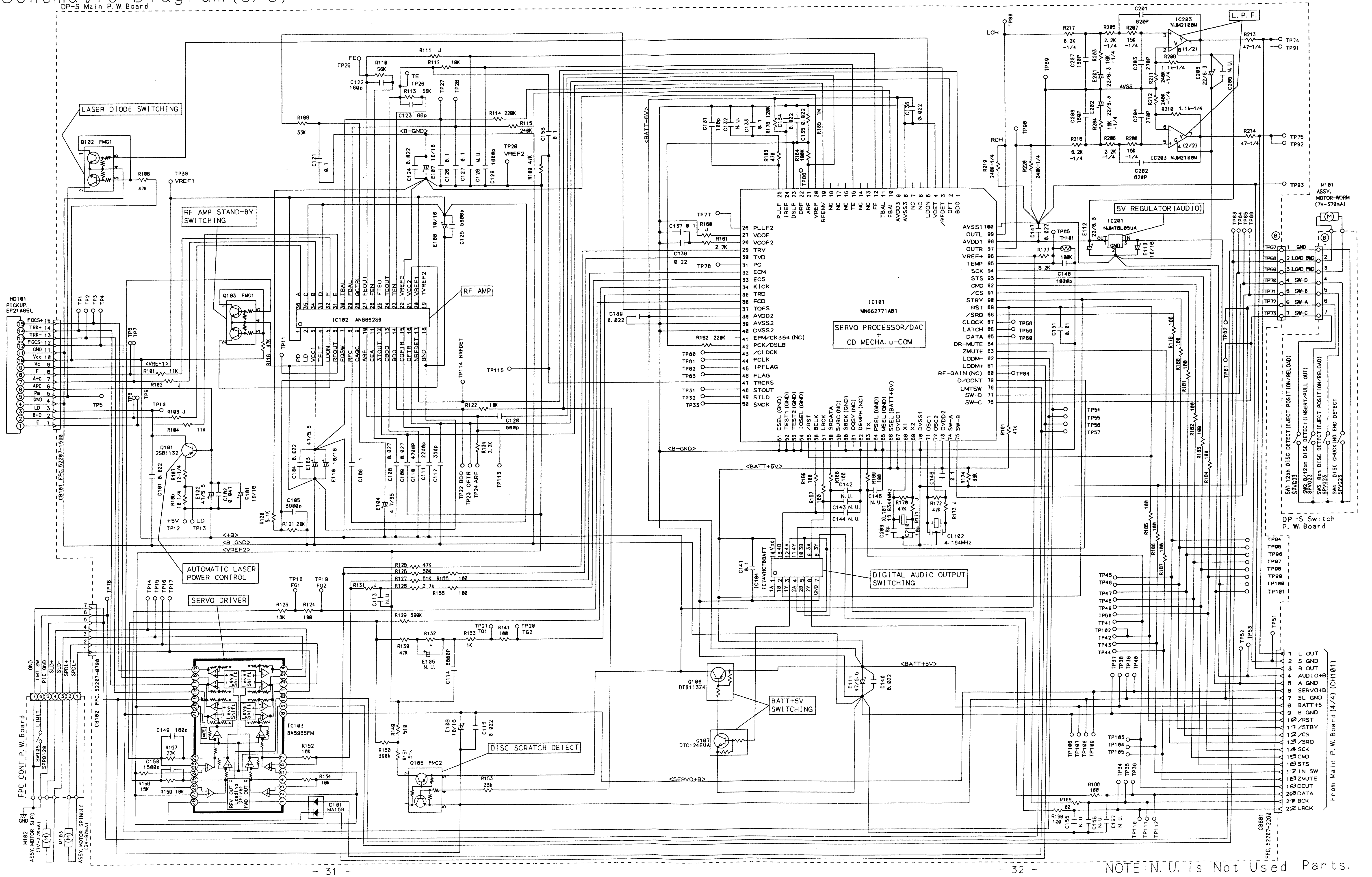
Schematic Diagram (5/6)


LC75823W
IC402
LCD DRIVER
LCD22[1:55]
LCD401
LCD. MF7875AO
LCD[1:56]
IC46
LC75853
LCD DRIVER & KEY SCAN
RA401 1kx4
RA402 1kx4
RA403 1kx4
RA404 1kx4
C402 1000p-CH
R427 43k-1/16
C403
C404 0.047-B
C401 0.047-B
R439 43k-1/16
C408 680p-CH
C406 0.047-B
C407 0.047-B
C405 4.7/25-TAN
SW421
ENC. EC11E15245
ROTARY ENCODER
MODE/BBE
VOLUME
ZD408 RD6.2MB3
ZD409 RD6.2MB3
D401 MA159
D402 IMN10
SW401 SOURCE/POWER
SW405 PLAY/PAUSE/TUNE/A.ME
SW408 BAND/T.S.M.
SW411 DISP
SW416 BND/DN
SW402 FWD/UP
SW409 T.INFO
SW412 B-FWD/DEFEAT
SW417 CENTER/
SW403 X-OVER
SW406 TITLE
SW410 F/SET UP
SW413 1/AF
SW418 2/P.PTY
SW404 3/PTY
SW407 4/R.TEXT/M.I.X.
SW414 5/REPEAT
SW419 6/SCAN
SW415 EJECT
SW420 ANGLEAV
SW404, 406, 407, 410, 413~415, 418~420 SKQYPB
SW401~403, 405, 408, 409, 411, 412, 416, 417 SKQMAJ001
SW422 SKQMAJ001 RESET
REMOTE CONTROL SENSOR
IC403 SBX3050-02
D405–D409 1PS226
D410 N.U.
D456 MA185
CH401 55323-1511
NOSE-ON
GND
RESET SW
INV+B
LCD CLK
NOSE ON+6V
LCD CE
DIMMER
LCD DO
LCD DI
LCD RST
REMOCON
ENCODER1
ENCODER2
E.E. GND
To ASSY UNIZON CONN 71A(CH501)
LCD BACKLIGHT REGULATOR (WHITE)
R476 470-1/4
ZD401 MA3082-H
Q407 2SD874A
C417 0.022
Q404 UN2211
Q405 UN2211
D411 MA152WK
Q403 2SD1328
Q402 2SD1328
Q401 2SD1328
Q406 N.U.
LD401 BR1111C
LD402–LD404 FY1111C
PL401–PL404 6V-80mA
LED DRIVER (RED)
LED DRIVER (YELLOW)
KNOB LIGHTING LED-LAMP SWITCHING (GREEN·BLUE)
KNOB LIGHTING LED SWITCHING (AMBER·BLUE)
LCD BACKLIGHT (WHITE)

Front P. W. Board

NOTE: N. U. is Not Used Parts.

Schematic Diagram (6/6)


DP-S Main P.W. Board
LASER DIODE SWITCHING
Q102 FMG1
RF AMP STAND-BY SWITCHING
Q103 FMG1
HD101 PICKUP EP21A65L
CB101 FFC,52207-1590
IC102 AN8802SB
RF AMP
AUTOMATIC LASER POWER CONTROL
Q101 2SB1132
SERVO DRIVER
IC103 BA5985FM
DISC SCRATCH DETECT
Q105 FMC2
D101 MA159
IC101 MN662771AB1
SERVO PROCESSOR/DAC + CD MECHA. u-COM
DIGITAL AUDIO OUTPUT SWITCHING
IC104 TC74VHC08AFT
BATT+5V SWITCHING
Q106 DTB113ZK
Q107 DTC124EUA
L.P.F.
IC203 NJM2100M
5V REGULATOR (AUDIO)
IC201 NJM78L05UA
M101 ASSY, MOTOR-WORM (7V-370mA)
DP-S Switch P.W. Board
SW1 120m DISC DETECT(EJECT POSITION/RELOAD) SPVG23
SW2 8/120m DISC DETECT(INSERT/PULL OUT) SPVG23
SW3 80m DISC DETECT(EJECT POSITION/RELOAD) SPVG23
SW4 DISC CHUCKING END DETECT SPVG23
FPC CONT P.W.Board
SW105 LIMIT SPPB120
CB102 FFC,52207-0790
M102 ASSY,MOTOR SLED (7V-370mA)
M103 ASSY,MOTOR SPINDLE (2V-90mA)
CB001 FFC,52207-2290
From Main P.W.Board(4/4)(CH101)
1 L OUT
2 S GND
3 R OUT
4 AUDIO+B
5 A GND
6 SERVO+B
7 SL GND
8 BATT+5
9 B GND
10 /RST
11 /STBY
12 /CS
13 /SRQ
14 SCK
15 CMD
16 STS
17 IN SW
18 ZMUTE
19 DOUT
20 DATA
21 BCK
22 LRCK
LCH
RCH
<B-GND>
<BATT+5V>
<SERVO+B>
<VREF1>
<VREF2>
<+B>
<B GND>

NOTE N.U. is Not Used Parts.

Terminal Voltage of IC/TR

IC001		
1	4.9	
2	4.9	
3	0	
4	8.32/0	POWER ON/SEEK
5	8.32	

IC002		
1	8.3	
2	4.7	
3	5.67	
4	0	
5	4.7	
6	4.1	
7	8.3/0	POWER ON/SEEK
8	8.3	

IC005			
1	0	11	4.86
2	0	12	0
3	0	13	2.44
4	CLK	14	4.87
5	2	15	0
6	0	16	2.43
7	5	17	2.44
8	4.87	18	2.44
9	4.98	19	2.42
10	4.98	20	2.44

IC102	
1	PS
2	0
3	0.6
4	0
5	1.3
6	14.0
7	14.2
8	PS

IC201	
1	4.36
2	4.36
3	4.36
4	4.36
5	5.66
6	5.65
7	0
8	4.37
9	4.37
10	4.37
11	4.37
12	8.63
13	8.6
14	8.74

IC202							
1	4.34	12	4.36	23	NC	34	4.38
2	4.34	13	4.34	24	NC	35	4.38
3	4.34	14	0	25	4.39	36	4.38
4	4.34	15	0.96	26	4.39	37	4.39
5	4.34	16	4.70	27	4.39	38	4.39
6	4.22	17	NC	28	4.39	39	4.39
7	NC	18	3.6	29	4.39	40	4.39
8	NC	19	0	30	4.39	41	4.38
9	NC	20	4.99	31	4.38	42	4.38
10	NC	21	4.99	32	4.38	43	NC
11	4.34	22	8.80	33	4.38	44	NC

IC203								
1	4.40	6	4.40		11	0	16	4.42
2	4.41	7	4.43		12	8.82	17	4.42
3	4.41	8	0		13	4.38	18	4.36
4	4.41	9	4.61/ 0	BBE ON/OFF	14	4.44	19	4.36
5	4.42	10	4.62/ 0	BBE ON/OFF	15	4.41	20	4.37

IC204			
1	0	5	0
2	0	6	0
3	0	7	0
4	0	8	8.63

IC205	
1	4.2
2	0
3	4.2
4	8.6
5	4.2

IC254		
1	2.8	
2	2.8	
3	0	
4	8.35/0	SEEK OFF/ON
5	8.35	

IC270			
1	8.71	9	8
2	3	10	0.75
3	4.5	11	0
4	3	12	7.48
5	3	13	7.5
6	4.5	14	0
7	3	15	0.77
8	8.71	16	8

IC301				
1	0	14	6.9	
2	0	15	7	
3	PS	16	6.9	
4	5	17	6.9	
5	PS	18	0	
6	14.5	19	6.9	
7	PS	20	14.5	
8	0	21	6.9	
9	PS	22	5.3/0	MUTE OFF/ON
10	6.9	23	6.9	
11	7	24	0	
12	6.9	25	NC	
13	0			

IC302	
1	0
2	0
3	NC
4	14
5	14
6	14
7	0
8	0
9	NC
10	NC
11	14.3
12	14.3

IC401										
1	4.5/0	AMB/GRN	21	PS	41	PS	61	PS
2	4.5/0	BLU,GRN/AMB	22	PS	42	PS	62	PS
3	PS		23	PS	43	PS	63	PS
4	PS		24	PS	44	PS	64	PS
5	PS		25	PS	45	PS	65	PS
6	PS		26	PS	46	PS	66	PS
7	PS		27	PS	47	PS	67	PS
8	PS		28	PS	48	PS	68	PS
9	PS		29	PS	49	PS	69	PS
10	PS		30	PS	50	PS	70	4.86
11	PS		31	PS	51	PS	71	3.23
12	PS		32	PS	52	PS	72	1.65
13	PS		33	PS	53	PS	73	0
14	PS		34	PS	54	PS	74	0
15	PS		35	PS	55	PS	75	PS
16	PS		36	PS	56	PS	76	PS
17	PS		37	PS	57	PS	77	PS
18	PS		38	PS	58	PS	78	PS
19	PS		39	PS	59	PS	79	CLK
20	PS		40	PS	60	PS	80	PS

IC402							
1	PS	17	PS	33	PS	49	PS
2	PS	18	PS	34	PS	50	PS
3	PS	19	PS	35	PS	51	PS
4	PS	20	PS	36	PS	52	PS
5	PS	21	PS	37	PS	53	PS
6	PS	22	PS	38	PS	54	PS
7	PS	23	PS	39	PS	55	PS
8	PS	24	PS	40	PS	56	4.86
9	PS	25	PS	41	PS	57	4.89
10	PS	26	PS	42	PS	58	3.23
11	PS	27	PS	43	PS	59	1.64
12	PS	28	PS	44	PS	60	0
13	PS	29	PS	45	PS	61	PS
14	PS	30	PS	46	PS	62	PS
15	PS	31	PS	47	PS	63	PS
16	PS	32	PS	48	PS	64	PS

IC403	
1	4.73
2	PS
3	0
4	0

IC501					
1	NC		51	0/4.93	DIMMER ON/OFF
2	NC		52	NC	
3	NC		53	NC	
4	5		54	0	
5	0/4.91	0Bit MUTE OFF/ON	55	0/4.98	Nose Close/Open
6	PS		56	0/4.98	Nose Open/Close
7	PS		57	4.96/0	BW ON/OFF
8	PS		58	0/4.96	Others/Close Active
9	4.99		59	0/4.96	Others/Open Active
10	CLK		60	0/4.96	Others/Door Open
11	CLK		61	NC	
12	0		62	NC	
13	NC		63	NC	
14	NC		64	PS	
15	4.99		65	CLK	
16	4.98		66	5	
17	4.96		67	PS	
18	NC		68	5	
19	PS		69	4.98	
20	PS		70	0	
21	4.93		71	4.98	
22	NC		72	0	
23	5		73	4.98	
24	5		74	NC	
25	0		75	NC	
26	2.46		76	NC	
27	0		77	NC	
28	PS		78	NC	
29	4.79		79	PS	
30	0		80	PS	
31	0		81	5	
32	0		82	5	
33	0		83	4.98	
34	NC		84	4.98	
35	5		85	4.93	
36	5		86	0	
37	PS		87	PS	
38	PS		88	0/5	Buzzer ON/OFF
39	CLK		89	NC	
40	PS		90	4.96	
41	PS		91	PS	
42	PS		92	NC	
43	PS		93	NC	
44	PS		94	0	
45	PS		95	NC	
46	PS		96	NC	
47	PS		97	NC	
48	PS		98	NC	
49	NC		99	NC	
50	NC		100	0	

IC502									
1	5	21	NC	41	NC	61	0	81	NC
2	NC	22	NC	42	NC	62	0	82	0
3	0	23	0	43	NC	63	PS	83	NC
4	0	24	NC	44	NC	64	0	84	0
5	0	25	NC	45	4.98	65	NC	85	4.95
6	2.01	26	NC	46	4.97	66	NC	86	0
7	CLK	27	NC	47	NC	67	0	87	0
8	0	28	NC	48	NC	68	0	88	0
9	5	29	NC	49	NC	69	0	89	0
10	NC	30	NC	50	5	70	NC	90	0
11	NC	31	NC	51	NC	71	0	91	0
12	NC	32	NC	52	NC	72	0	92	0
13	NC	33	NC	53	PS	73	CLK	93	5
14	NC	34	0	54	PS	74	PS	94	5
15	NC	35	0	55	PS	75	0	95	NC
16	NC	36	0	56	PS	76	0	96	NC
17	NC	37	0	57	PS	77	NC	97	4.95
18	NC	38	0	58	0	78	0	98	NC
19	NC	39	NC	59	0	79	4.66	99	4.87
20	NC	40	NC	60	0	80	4.99	100	NC

IC503	
1	0
2	0
3	0
4	0
5	5
6	5
7	0
8	5

IC801			
1	0	11	0
2	0	12	0
3	0	13	0
4	0	14	NC
5	0	15	4.99
6	2.65	16	5
7	0	17	14.3
8	0	18	0
9	0	19	0
10	0	20	0

IC804	
1	0
2	2.9
3	2
4	0
5	2.5
6	2.1
7	4.94
8	4.94

IC810					
1	NC		14	NC	
2	0		15	0/4.25	Others/Close Active
3	NC		16	NC	
4	0/3.90	Others/MOTOR Active	17	NC	
5	NC		18	NC	
6	0/3.90	Others/Nose Open Active	19	0	
7	0		20	0	
8	0/3.97	Others/Nose Close Active	21	0	
9	NC		22	NC	
10	11.95		23	NC	
11	11.95		24	0/4.2	Others/Open Active
12	NC		25	NC	
13	0				

	1	2	3	4	5	MODE
Q009	NC	2	4.9	0	0	
Q010	NC	0	0	8.36/0	5/0	POWER ON/OFF
Q105	NC	14	14.1	3.95	0	SOURCE CD/TUNER
Q106	NC	14.2	14.27	4.0	0	SOURCE CD/TUNER
Q201	0/8.7	8.7/0	0/4.47	0	4.47/0	SUB.W ON, LPF・OFF/ON
Q803	NC	4.97	5	8.36	0	
Q804	NC	4.94	5	4.96	0	
Q805	NC	14.2/0	14.27/14.4	4.4/0	0	
Q808	NC	14.2	14.27	4.5	0	
Q814	NC	8.28/1.8	8.35	2.53/0	0	FM/AM
Q825	NC	14.23	0	0	14.28	MUTE OFF/ON
Q828	NC	5	5	4.11	0	

	1	2	3	4	5	6	MODE
Q321	0	0	0	0/6.8	0	0/6.8	MUTE OFF/ON
Q322	0	0	0	0/6.5	0	0/6.6	MUTE OFF/ON
Q323	0	0	0	0/6.5	0	0/6.6	MUTE OFF/ON

	E	C	B	MODE
Q002	0	8.3	0	
Q003	0	0	PS	
Q005	0	0.1	0/2.0	SEEK
Q101	8.82	8.87	8.06/0.7	SOURCE CD/TUNER
Q102	0	0/8.6	3.9/0	CD ON/OFF
Q104	14.23	7.15/0.1	14.2	SOURCE CD/TUNER
Q107	5.14	14.26	5.71	
Q108	5.14	14.26	5.71	
Q202	0	3.6	0	
Q203	0	PS	2.7/0	SEEK
Q254	0	8.31	0/4.7	SEEK OFF/ON
Q401	0	0	0.7	
Q402	0/0	7.4/0	0/0.7	Others/AMBER
Q403	0/0	0.1/0	0.7	Others/Lighting OFF
Q404	0/0	0/2	4.5/0	Others/Lighting OFF
Q405	0/0	0/0	4.5/0	Others/POWER OFF
Q407	8.2	10.6	8.6	
Q501	4.9	PS	PS	
Q502	0	PS	PS	
Q601	4.94	0/5	4.93	IN-INT
Q602	0	4.93	0/10.1	DIMMER OFF/ON
Q603	0	14.27/PS	PS	BUZZER OFF/ON
Q604	0	PS	PS	
Q605	0	PS	PS	
Q606	0	PS	PS	
Q607	4.9	0	4.85	
Q645	0	9.17/0	0/4.96	UNIZON Close/Open
Q801	14.19	14.24/0	14.24	POWER ON/OFF
Q802	0	0/14	4.13/0	POWER ON/OFF

	E	C	B	MODE
Q806	12.25/0	14.3	12.9/0	POWER ON/OFF
Q807	11.9	14.27	12.4	
Q809	8.8/0	14.2/14.4	9.4/0	POWER ON/OFF
Q810	5.68/0	8.93/0	6.3/0	POWER ON/OFF
Q812	8.36	8.29/0	0/8.36	FM/AM
Q813	8.36	0/8.36	8.28/7.6	FM/AM
Q816	13.67/14.28	13.7/0	13/14.25	P.ANT Open/Short GND
Q817	14.25/14.25	0	14.23/0.6	P.ANT Open/Short GND
Q819	0	0/14.26	5.33/0.6	P.ANT Open/Short GND
Q820	0	14.2/0	0/9.72	P.ANT Open/Short GND
Q821	4.94	PS	4.94	Connect CD CHG
Q822	0	PS	0	Connect CD CHG
Q823	5	PS	5	Connect CD CHG
Q824	0	0	4.3	
Q826	0	5.29/0	0/3.8	MUTE OFF/ON
Q840	11.9	14.27	12.4	
Q870	8.36/0	13.79/0	8.96/0	POWER ON/OFF
Q871	5.66/0	8.96/0	6.3/0	POWER ON/OFF
Q872	12.25/0	14.3	12.9/0	POWER ON/OFF

[Measuring Conditions]

• Power Supply Voltage	: DC14.4V
• Measuring Meter	: Digital Multi Meter
• Measuring Point Reference	: Between GND
• Measuring Condition	: FM : 98.1MHz MW : 999KHz CD : at playing Disc

(CD Deck Mechanism)

IC101									
1	0.04V	21	0.02V	41	NC	61	NC	81	0.05V
2	0.2V	22	NC	42	2.83V	62	NC	82	0.05V
3	0.05V	23	2.6V	43	NC	63	0.05V	83	0.05V
4	0.04V	24	1.25V	44	NC	64	0.04V	84	4.93V
5	4.98V	25	1.77V	45	NC	65	0.04V	85	NC
6	NC	26	NC	46	NC	66	5.05V	86	NC
7	NC	27	0.04V	47	0.04V	67	5.05V	87	NC
8	0.04V	28	2.06V	48	NC	68	OSC	88	5.05V
9	5.03V	29	2.5V	49	NC	69	OSC	89	5.03V
10	—	30	2.5V	50	NC	70	0.04V	90	5V
11	—	31	NC	51	0.04V	71	OSC	91	0.02V
12	2.5V	32	2.5V	52	0.04V	72	OSC	92	5.03V
13	NC	33	2.5V	53	0.04V	73	5.05V	93	5.03V
14	NC	34	2.5V	54	0.04V	74	5.01V	94	4.96V
15	2.5V	35	2.5V	55	5.05V	75	0.03V	95	*
16	NC	36	2.5V	56	2.5V	76	0.03V	96	4.96V
17	NC	37	2.2V	57	2.5V	77	0.03V	97	2.51V
18	NC	38	5.03V	58	2.5V	78	5.02V	98	5.02V
19	0.02V	39	0.04V	59	NC	79	0.05V	99	2.51V
20	2.5V	40	0.04V	60	0.04V	80	NC	100	0.03V

NOTE : * : Changing Voltage by Temperature

IC102							
1	2.51V	10	1.73V	19	NC	28	2.38V
2	NC	11	3.01V	20	2.51V	29	—
3	4.95V	12	2.5V	21	4.96V	30	—
4	0.04V	13	3.1V	22	2.48V	31	2.53V
5	2.47V	14	0.05V	23	2.48V	32	2.53V
6	2.84V	15	3.04V	24	2.49V	33	2.53V
7	2.02V	16	0.2V	25	NC	34	2.53V
8	2.83V	17	0.05V	26	2.49V	35	2.53V
9	1.41V	18	0.04V	27	2.49V	36	2.69V

IC103							
1	0.07V	8	6.93V	15	3.14V	22	2.51V
2	2.5V	9	0.06V	16	3.37V	23	2.51V
3	2.5V	10	0.06V	17	3.21V	24	2.49V
4	2.5V	11	2.93V	18	3.24V	25	2.46V
5	2.5V	12	3.62V	19	0.04V	26	2.5V
6	2.5V	13	6.27V	20	2.52V	27	2.5V
7	2.5V	14	3.29V	21	4.96V	28	0.07V

IC104			
1	5.04V	8	0.04V
2	5V	9	2.53V
3	5.03V	10	0.05V
4	0.05V	11	0.04V
5	0.05V	12	0.05V
6	0.04V	13	2.5V
7	0.04V	14	5.04V

IC201	
1	5.03V
2	0.02V
3	8.01V

IC203	
1	2.53V
2	2.5V
3	2.5V
4	0.02V
5	2.5V
6	2.5V
7	2.5V
8	5.02V

	E	C	B
Q101	4.36V	2.55V	3.69V
Q106	0.08V	0.12V	5.05V
Q107	0.12V	5.06V	4.99V

	1	2	3	4	5
Q102	0.09V	2.54V	6.09V	0.08V	5.01V
Q103	0.08V	2.51V	0.08V	0.08V	4.96V
Q105	5.03V	2.51V	5.03V	0.08V	0.07V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Condition : at playing Disc

Description of IC Terminal

D784218GC : IC501

No.	Symbol	I/0	Terminal Description
1	NC	–	No connect terminal.
2			
3			
4	CD-STBY	0	Stand-by signal output terminal to CD Mechanism μ-COM.
5	0 MUTE-DET	I	0 MUTE signal input terminal from CD Mechanism.
6	CD-LSI RST	0	Reset signal output terminal to CD Mechanism μ-COM.
7	CD-CS	0	Chip select signal output terminal to CD Mechanism μ-COM.
8	CD-SRQ	I	Communication REQ signal input terminal from CD Mechanism μ-COM.
9	VDD	–	VDD connect terminal.
10	X2	–	Main system Clock OSC circuit connect terminal.
11	X1		
12	VSS	–	GND connect terminal.
13	NC	–	No connect terminal.
14			
15	$\overline{\text{RESET}}$	–	System reset signal terminal.
16	BAT-DET	I	BATT detection signal input terminal.
17	ACC-DET	I	ACC detection signal input terminal.
18	NC	–	No connect terminal.
19	BUS-IN	I	Ai-NET BUS-DATA signal input terminal.
20	BUS-OUT	0	Ai-NET BUS-DATA signal output terminal.
21	IN-SW	I	DISC loading detection switch signal input terminal.
22	NC	–	No connect terminal.
23	AVDD	–	Analog power supply terminal of A/D converter.
24	AVref0	–	Standard voltage input terminal of A/D converter.
25	GND	–	GND connect terminal.
26	NOSE-ON	I	NOSE installation detection signal input terminal.
27	FM/AM SM	I	FM/AM signal meter signal input terminal.
28	AUDIO LEVEL	I	Audio level data signal input terminal.
29	T-SENS	I	Power AMP temperature detection signal input terminal.
30	GND	–	GND connect terminal.
31			
32	AREA	I	Area setting signal input terminal.
33	AVSS	–	GND electric potential terminal of A/D converter.
34	NC	–	No connect terminal.
35	DTS CE	0	Chip enable signal output terminal to DTS μ-COM.
36	AVref1	–	Standard voltage input terminal of A/D converter.
37	DTS STS	I	System status signal input terminal from DTS μ-COM.
38	DTS CMD	0	Serial data signal output terminal to DTS μ-COM.
39	DTS CLK	0	Serial clock signal output terminal to DTS μ-COM.
40	CD-STS	I	Status signal input terminal from CD Mechanism μ-COM.
41	CD-CMD	0	Command signal output terminal to CD Mechanism μ-COM.
42	CD-SCK	0	Clock signal output terminal to CD Mechanism μ-COM.
43	DTS MUTE	I	Mute signal input terminal from DTS μ-COM.
44	LCD-RST	0	Reset signal output terminal to LCD Driver.
45	LCD-DO	I	Serial data signal input terminal from LCD Driver.
46	LCD-DI	0	Serial data signal output terminal to LCD Driver.

No.	Symbol	I/O	Terminal Description
47	LCD-CLK	O	Serial clock signal output terminal to LCD Driver.
48	LCD-CE1	O	Chip enable signal output terminal to LCD Driver.
49	LCD-CE2(NC)	–	No connect terminal.
50	LO/$\overline{\text{DX}}$(NC)		
51	$\overline{\text{IN DIMMER}}$	I	Dimmer control signal input terminal.
52	NC	–	No connect terminal.
53			
54	IN-INT	I	In-Interrupt input terminal.
55	$\overline{\text{LIMIT SW2}}$	I	Movement Nose condition position detetcion signal input terminal.
56	$\overline{\text{LIMIT SW1}}$		
57	BW	O	Switching control signal output terminal of FM Band Width.
58	MOTOR REV	O	Motor control signal output terminal for Movement Nose open/close.
59	MOTOR FOR		
60	DOOR LED	O	LED signal output terminal for Door LED.
61	NC	–	No connect terminal.
~			
63			
64	EV-DATA	O	Serial data signal output terminal of Electrical Volume.
65	EV-CLK	O	Serial clock signal output terminal of Electrical Volume.
66	BBE-1	O	Control output terminal for BBE. (BBE)
67	BBE-2	O	Control output terminal for BBE. (PROCESS)
68	BBE-3	O	Control output terminal for BBE. (LO CONT)
69	LPF1	O	Control signal output terminal for Low Pass Filter.
70	LPF2		
71	$\overline{\text{MUTE}}$	O	Audio Mute signal output terminal.
72	VSS	–	GND connect terminal.
73	MOTOR-CONT	O	Power supply control signal output terminal of Unizon Motor.
74	NC	–	No connect terminal.
~			
78			
79	ENCODER1	I	Encoder signal input terminal.
80	ENCODER2		
81	VDD	–	VDD connect terminal.
82	POWER IC-ON	O	Stand-by control signal output terminal for Power IC.
83	NOSE-PWR	O	Power supply control signal output terminal of LCD Driver.
84	BL-LED ON	O	LED control signal output terminal for LCD backlight.
85	PWR-CONT	O	Power supply control signal output terminal of Audio and Key lighting.
86	60W-CONT	O	Control signal output terminal of 60W AMP.
87	DIMMER-CONT	O	Control signal (PWM) output terminal for Dimmer.
88	BUZZER	O	Guide tone Buzzer signal output terminal.
89	L-CONT(NC)	–	No connect terminal.
90	V-CONT	O	CD power supply control signal output terminal.
91	REMOCON	I	Remote control data input terminal.
92	NC	–	No connect terminal.
93			
94	Vpp	–	GND connect terminal.
95	DOOR SW(NC)	–	No connect terminal.

No.	Symbol	I/O	Terminal Description
96	NC	-	No connect terminal.
~			
99			
100	Auto Adj. (NC)		

MB89689PF : IC502

No.	Symbol	I/O	Terminal Description
1	VCC	-	+5V connect terminal.
2	NC	-	No connect terminal.
3	XOA (GND)	-	GND connect terminal.
4	MODO (GND)		
5	MOD1 (GND)		
6	X0	0	Crystal connect terminal. (8MHz)
7	X1	I	
8	VSS	-	GND connect terminal.
9	RESET	I	Reset input terminal. (L : RESET)
10	NC	-	No connect terminal.
~			
22			
23	AM ST (PULL-DOWN)	-	Pull-down connect terminal.
24	NC	-	No connect terminal.
~			
28			
29	AM ST/MO (NC)	-	
30	FM DIVER (NC)	-	
31	NC	-	
~			
33			
34	T-MUTE	0	Tuner mute output terminal. (L : MUTE ON)
35	NC (GND)	-	GND connect terminal.
~			
38			
39	NC	-	No connect terminal.
~			
44			
45	RxD (PULL-UP)	I	RDS monitor input terminal. (pull-up connect)
46	TxD	0	RDS monitor output terminal.
47	NC	-	No connect terminal.
~			
49			
50	VCC	-	VCC connect terminal.
51	NC	-	No connect terminal.
52			
53	TUNER CLK	I	Clock input terminal from main μ-COM.
54	TUNER SI	I	Serial input terminal from main μ-COM.
55	TUNER SO	0	Serial output terminal to main μ-COM.
56	RDS SDA	I/0	RDS I2C data input/output terminal.
57	RDS CLK	0	RDS I2C CLK output terminal.

No.	Symbol	I/O	Terminal Description
58	NC(GND)	–	GND connect terminal.
59	VSS		
60	NC(GND)		
≀			
62			
63	I2C DATA	I/O	I2C-BUS IC data input/output terminal.
64	I2C CLK	O	I2C-BUS CLK output terminal.
65	Devider(NC)	–	No connect terminal.
66	Narrow(NC)		
67	$\overline{\text{SEEK Req.}}$	O	Seek speed control (Tuner) terminal. (L : SEEK)
68	NC(GND)	–	GND connect terminal.
69	$\overline{\text{AF HOLD}}$	O	AF HOLD output terminal. (L : tuner setting HOLD)
70	AF HOLD(NC)	–	No connect terminal.
71	IF MUTE	O	IF mute control terminal. (H : MUTE ON)
72	FM/$\overline{\text{AM}}$	O	FM/AM switching terminal. (H : FM)
73	PLL CLK	O	PLL clock output terminal.
74	PLL DATA	I/O	PLL CE output terminal.
75	PLL CE	O	PLL CE output terminal.
76	SEEK Req.	O	Seek speed control (Tuner) terminal. (H : SEEK)
77	RDS RESET(NC)	–	No connect terminal.
78	SD	I	SD (Tuner) input terminal. (H : station ON)
79	$\overline{\text{PSWN}}$	I	Audio signal level detect terminal from RDS Decoder. (L : no station)
80	$\overline{\text{Auto Adj.}}$	I	Auto adjustment terminal. (L : auto adjustment start)
81	TUNER ON(NC)	–	No connect terminal.
82	LO/$\overline{\text{DX}}$	O	Local/DX seek (Tuner) switching terminal. (H : local SEEK)
83	NC	–	No connect terminal.
84	AVSS	–	GND connect terminal.
85	S/M	I	Field strength (A/D, Tuner) input terminal.
86	M/P	I	Multipath rejection (A/D) input terminal.
87	NC(GND)	–	GND connect terminal.
≀			
92			
93	AVCC	–	VCC connect terminal.
94	AVR		
95	NC	–	No connect terminal.
96	RESET(NC)		
97	SUB STBY	I	Stand-by input terminal from main μ-COM.
98	NC	–	No connect terminal.
99	DAVN	I	RDS data available input terminal.
100	NC	–	No connect terminal.

MN662771AB1 : IC101 (DP23S07A)

No.	Symbol	I/O	Terminal Description
1	BDO	I	Drop-Out signal input terminal. H:Drop-Out
2	OFT	I	Off Track signal input terminal. H:Off Track
3	/RFDET	I	RF detect signal input terminal. L:detection
4	VDET	I	Vibration detect signal input terminal. H:detection

No.	Symbol	I/O	Terminal Description
5	LDON	O	Laser ON signal output terminal. H:ON
6	NC	–	No connect terminal.
7			
8	AVSS3	–	GND connect terminal for analog circuit.
9	AVDD3	–	Power supply terminal for analog circuit.
10	FBAL	O	Focus Balance adjustment output terminal.
11	TBAL	O	Tracking Balance adjustment output terminal.
12	FE	I	Focus Error signal input terminal. (Analog input)
13	NC	–	No connect terminal.
14			
15	TE	I	Tracking Error signal input terminal. (Analog input)
16	NC	–	No connect terminal.
~			
18			
19	RFENV	I	RF Envelope signal input terminal. (Analog input)
20	VREF	I	VREF input terminal.
21	ARF	I	RF signal input terminal. (for DSL)
22	DRF	I	Bias terminal for DSL.
23	DSLF	I/O	Roop Filter terminal for DSL.
24	IREF	I	Reference current input terminal.
25	PLLF	I/O	Roop Filter terminal for PLL.
26	PLLF2	I/O	Characteristic Roop Filter switching terminal for PLL.
27	VCOF	I/O	Roop Filter terminal for VCO.
28	VCOF2	I/O	Digital Servo Processor (33.8688MHz)/Roop Filter terminal for VCO.
29	TRV	O	Traverse compulsion sending output terminal.
30	TVD	O	Traverse drive output terminal.
31	PC	O	Spindle Motor ON output terminal.
32	ECM	O	Spindle Motor driving signal terminal.(compulsion mode output) 3-State
33	ECS	O	Spindle Motor driving signal terminal.(Servo Error signal output)
34	KICK	O	Kick Pulse output terminal. 3-State
35	TRD	O	Tracking Drive output terminal.
36	FOD	O	Focus Drive output terminal.
37	TOFS	O	Tracking Offset adjustment output terminal.
38	AVDD2	–	Power supply terminal for analog circuit(DSL,PLL,AD and DA block).
39	AVSS2	–	GND connect terminal for analog circuit(DSL,PLL,AD and DA block).
40	DVSS2	–	GND connect terminal for digital circuit.
41	EFM/CK384(NC)	–	No connect terminal.
42	PCK/DSLB	O	PLL Sampling Clock output terminal.(fPCK=4.3218MHz) at default:PLL Sampling Clock output/ at fulfillment command:DSL Balance output
43	/CLDCK	O	Sub Code Frame Clock signal output terminal. (fCLDCK=7.35KHz)
44	FCLK	O	Crystal Frame Clock signal output terminal. (fFCLK=7.35KHz)
45	IPFLAG	O	Interpolation Flag signal output terminal. H:Interpolation
46	FLAG	O	Flag signal output terminal.
47	TRCRS	I	Track Cross signal input terminal.
48	STOUT	O	Serial Data output terminal for monitor signal. (SENCE,NFLOCK,NTLOCK···etc.)
49	STLD	O	Load signal output terminal for monitor signal.
50	SMCK	O	Bit Clock signal output terminal for monitor signal. (fSMCK=4.2336MHz)
51	CSEL(GND)	–	GND connect terminal.
52	TEST1(GND)	–	GND connect terminal.
53	TEST2(GND)		

No.	Symbol	I/O	Terminal Description
54	IOSEL(GND)	-	GND connect terminal.
55	/RST	I	Reset input terminal from CD Signal Processor LSI block. (L:Reset)
56	BCLK	0	Bit Clock output terminal for SRDATA.
57	LRCK	0	L/R discrimination signal output terminal.
58	SRDATA	0	Serial Data output terminal.
59	SUBC(NC)	-	No connect terminal.
60	SBCK(GND)	-	GND connect terminal.
61	DQSY(NC)	-	No connect terminal.
62	DEMPH(NC)		
63	TX	0	Digital Audio interface signal output terminal.
64	PSEL(GND)	-	GND connect terminal.
65	MSEL(GND)		
66	SSEL(BATT+5V)	-	BATT+5V connect terminal.
67	DVDD1	-	Power supply terminal for digital circuit.
68	X1	I	Main Clock input terminal. (f=16.9344MHz)
69	X2	0	Main Clock output terminal. (f=16.9344MHz)
70	DVSS1	-	GND connect terminal for digital circuit.
71	OSC1	I	Clock input terminal for μ-COM. (4.19MHz)
72	OSC2	0	Clock output terminal for μ-COM.
73	DVDD2	-	Power supply terminal for digital circuit.
74	SW-A	I	Mecha control SW input terminal. (L:SW ON)
75	SW-B		
76	SW-C		
77	SW-D		
78	LMTSW	I	Pick-Up inner detect SW input terminal. (L:detector)
79	D/OCNT	0	Digital Audio Data control output terminal. (H:D/0 ON)
80	RF-GAIN(NC)	-	No connect terminal.
81	LODM+	0	Loading Motor control terminal.
82	LODM-		
83	ZMUTE	0	0 Data signal output terminal.
84	DR-MUTE	0	Servo Driver MUTE signal output terminal. (L:DR MUTE ON)
85	DATA	0	DATA output terminal for Error monitor.
86	LATCH	0	LATCH output terminal for Error monitor.
87	CLOCK	0	CLOCK output terminal for Error monitor.
88	/SRQ	0	Status Request signal output terminal.
89	RST	I	μ-COM block reset terminal.
90	STBY	I	STBY signal input terminal.
91	/CS	I	Communication start/stop signal terminal.
92	CMD	I	Command input terminal.
93	STS	0	Status output terminal.
94	SCK	I	Clock input terminal for communication.
95	TEMP	I	A/D input terminal for temperature detect.
96	VREF+	-	Power supply terminal for A/D converter.
97	OUTR	0	Rch Audio output terminal.
98	AVDD1	-	Power supply terminal for analog circuit. (for Audio output block (for using both as Lch and Rch))
99	OUTL	0	Lch Audio output terminal.
100	AVSS1	-	GND connect terminal for analog circuit. (for Audio output block (for using both as Lch and Rch))

CDA-7873R

Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations

RES.= Resistor
C.F.= Carbon Film
M.F.= Metal Film
M.O.= Metal OxideFilm
M.P.= Metal Plate
TR. = Transistor
TRANS.= Transformer
CP. = Chip

CAP.= Capacitor
ELY.= Electrolytic
CER.= Ceramic
MYL.= Mylar
TAN.= Tantalum
POLY.= Polystyrol
PP. = Polypropylene
PLT.= Polyethylene
PF. = Polyester Film

Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC001	51T15731W10	TC7S66F-TE85L -CP
IC002	51T93332F01	IC,NJM2903M-TE3 -SE2
IC005	51T15132Y02	SAA6588T -SE9
IC102	51T15510W01	IC ,MC34063AML -SPD
IC201	51T15456Y01	TC74HC4066AFT-EL-SE5
IC202	51T35457Y01	TDA7402 -QT
IC203	51T15468Y02	NJM2150AV-TE1 -SE2
IC204	51T93333F01	NJM2904M-TE3 -SE2
IC205	51T15605Y01	NJM2130F-TE1 -CP
IC254	51T15731W10	TC7S66F-TE85L -CP
IC270	51T45330Y01	NJM2160AM-TE2 -SE6
IC301	51T35403Y01	TDA7560 -ZS
IC302	51T15426Y02	STK475-010 -IB
IC501	51T45295Y01	IC,D784218GC-060 -QT
IC502	51T15161Y03	IC,MB89689PF-G150-QT
IC503	51T25160Y01	M24C04-WMN6T -SE2
IC801	51T95193W01	TDA3606AT -SE9
IC804	51T93332F01	IC,NJM2903M-TE3 -SE2
IC810	51T25448Y01	BA6219BFP-Y-E2 -SE9
Transistors		
Q002	48T64222F05	TR ,UN2215 10 -TX
Q003	48T64222F01	TR ,UN2211 10-10 -TX
Q005	48T64222F02	TR ,UN2212 22-22 -TX
Q009	48T45594W16	TR,XN1A311-TX -CP
Q010	48T45594W16	TR,XN1A311-TX -CP
Q101	48T52437F05	TR ,2SB709A-S /TX-CP
Q102	48T45251W03	TR ,UN5212 22-22 -CP
Q104	48T15511W02	CP.2SB1261-TE2 -E5
Q105	48T45594W12	TR ,XN1A312 -TX-CP
Q106	48T45594W12	TR ,XN1A312 -TX-CP
Q107	48T69176F02	TR ,2SC3421-Y
Q108	48T69176F02	TR ,2SC3421-Y
Q201	48T45594W08	TR ,XN1212 -TX-CP
Q202	48T64222F02	TR ,UN2212 22-22 -TX
Q203	48T45251W03	TR ,UN5212 22-22 -CP
Q254	48T45251W03	TR ,UN5212 22-22 -CP
Q321	48T25317Y01	TR,XN0F256-TX -CP
Q322	48T25317Y01	TR,XN0F256-TX -CP
Q323	48T25317Y01	TR,XN0F256-TX -CP
Q501	48T64221F11	TR,UN211L-TX -CP
Q502	48T64222F02	TR ,UN2212 22-22 -TX
Q601	48T64221F11	TR,UN211L-TX -CP
Q602	48T64222F02	TR ,UN2212 22-22 -TX
Q603	48T64222F02	TR ,UN2212 22-22 -TX
Q604	48T64222F01	TR ,UN2211 10-10 -TX
Q605	48T64222F01	TR ,UN2211 10-10 -TX
Q606	48T64222F01	TR ,UN2211 10-10 -TX
Q607	48T52437F05	TR ,2SB709A-S /TX-CP
Q645	48T64222F01	TR ,UN2211 10-10 -TX
Q801	48T84366F03	TR,2SB1243-Q-TV2 -RD
Q802	48T64222F11	TR,UN221F-TX -CP
Q803	48T45594W12	TR ,XN1A312 -TX-CP
Q804	48T45594W16	TR,XN1A311-TX -CP
Q805	48T45594W12	TR ,XN1A312 -TX-CP
Q806	48T93828F04	TR,2SD1994A-S-TA -RD
Q807	48T93828F04	TR,2SD1994A-S-TA -RD
Q808	48T45594W12	TR ,XN1A312 -TX-CP
Q809	48T69176F02	TR ,2SC3421-Y
Q810	48T52438F04	TR ,2SD601A-S /TX-CP
Q812	48T64221F13	TR,UN211H-TX -CP
Q813	48T63419F04	TR,CP.2SA1036K-HR-96
Q814	48T45594W16	TR,XN1A311-TX -CP
Q816	48T84366F03	TR,2SB1243-Q-TV2 -RD
Q817	48T64221F13	TR,UN211H-TX -CP
Q819	48T64222F12	TR,UN221L-TX -CP
Q820	48T64222F02	TR ,UN2212 22-22 -TX
Q821	48T52437F05	TR ,2SB709A-S /TX-CP
Q822	48T52438F04	TR ,2SD601A-S /TX-CP
Q823	48T64221F02	TR ,UN2112 22-22 -TX
Q824	48T64222F02	TR ,UN2212 22-22 -TX
Q825	48T45594W12	TR ,XN1A312 -TX-CP
Q826	48T64222F01	TR ,UN2211 10-10 -TX
Q828	48T45594W12	TR ,XN1A312 -TX-CP
Q840	48T93828F04	TR,2SD1994A-S-TA -RD
Q870	48T92368F04	TR,2SD1760 R -E5
Q871	48T52438F04	TR ,2SD601A-S /TX-CP
Q872	48T93828F04	TR,2SD1994A-S-TA -RD

Symbol No.	Part No.	Description
Diodes		
D001	48T15437Y01	DIO,HSM123-TL -CP
D002	48T45254W03	DIO,SI-MA142WK -CP
D003	48T25665Y01	DIO,1SS355-TE17 -CP
D101	48T95572W01	DIO,SHT MA736-TX -E1
D102	48T45254W02	DIO,SI MA142WA-TX-CP
D106	48T25665Y01	DIO,1SS355-TE17 -CP
D199	48T95572W01	DIO,SHT MA736-TX -E1
D201	48T81063F01	DIO,CP.MA159 / TX-CP
D210	48T25665Y01	DIO,1SS355-TE17 -CP
D301	48T95572W01	DIO,SHT MA736-TX -E1
D302	48T95572W01	DIO,SHT MA736-TX -E1
D303	48T95572W01	DIO,SHT MA736-TX -E1
D304	48T95572W01	DIO,SHT MA736-TX -E1
D305	48T95572W01	DIO,SHT MA736-TX -E1
D306	48T95572W01	DIO,SHT MA736-TX -E1
D307	48T95572W01	DIO,SHT MA736-TX -E1
D308	48T95572W01	DIO,SHT MA736-TX -E1
D321	48T45254W02	DIO,SI MA142WA-TX-CP
D351	48T45254W02	DIO,SI MA142WA-TX-CP
D352	48T45254W02	DIO,SI MA142WA-TX-CP
D501	48T25665Y01	DIO,1SS355-TE17 -CP
D502	48T25665Y01	DIO,1SS355-TE17 -CP
D601	48T25651W02	DIO,MA152WK-TX -CP
D602	48T25651W02	DIO,MA152WK-TX -CP
D603	48T25665Y01	DIO,1SS355-TE17 -CP
D801	48T85268W01	DIO,P300G -
D802	48T25665Y01	DIO,1SS355-TE17 -CP
D803	48T25593Y01	DIO,S1G-6601 -E1
D804	48T94335F02	DIO,MA153A-TX -CP
D805	48T25665Y01	DIO,1SS355-TE17 -CP
D806	48T44813F03	DIO,MA165 -R5
D807	48T25651W01	DIO,CP MA152WA
D808	48T25651W02	DIO,MA152WK-TX -CP
D810	48T25593Y01	DIO,S1G-6601 -E1
D811	48T81063F01	DIO,CP.MA159 / TX-CP
D814	48T25665Y01	DIO,1SS355-TE17 -CP
D815	48T25665Y01	DIO,1SS355-TE17 -CP
D824	48T25665Y01	DIO,1SS355-TE17 -CP
ZD171	48T25766W04	DIO,ZEN.HZS 6B1L -R5
ZD801	48T25766W15	DIO,ZEN.HZS 7B3L -R5
ZD802	48T25766W38	DIO,ZEN.HZS12A3L -R5
ZD803	48T25766W24	DIO,ZEN.HZS 9C1L -R5
ZD804	48T25766W02	DIO,ZEN.HZS 6A2L -R5
ZD805	48T25766W36	DIO,ZEN.HZS12A1L -R5
ZD806	48T25801W08	DIO,ZEN.HZS 4BLL -R5
ZD874	48T25766W03	DIO,ZEN.HZS 6A3L -R5

Symbol No.	Part No.	Description
Coils		
L001	24T65172W17	IND,LEM4532 4R7K -E2
L002	24T16403W29	COI,IND.15R-M -CP
L010	24T16403W15	COI,IND.1R0-M K -CP
L011	24T16403W15	COI,IND.1R0-M K -CP
L012	24T16403W07	COI,IND.R22-M K -CP
L013	24T16403W15	COI,IND.1R0-M K -CP
L101	24T15313Y17	IND,CDRH104 221M -E6
L102	24T16271W13	COIL,RCR875D-221K
L501	24T16403W15	COI,IND.1R0-M K -CP
L806	24T16403W23	COI,IND.4R7-M -CP
VT001	24T15267Y01	COIL,7TL -DB
Crystals		
XL001	91T85169W18	XTL,HC-49 4.332M -R5
XL501	91T95084W02	XTL,CS20 12.288M -E9
XL503	91T85169W44	XTL,HC-49 7.3728M-R5
LED's		
LD601	48T65477W05	LED,SML-010DTT87 -CP(ORG)
LD602	48T65477W05	LED,SML-010DTT87 -CP(ORG)
Buzzer		
BZ601	50T85541W01	BUZZER,CD11PA-XZ -H5
Filter		
CF001	91T75257W02	LPF,LPF11830KH-3C-DB
Surge Protector		
SA001	48T81048F02	PTT,DSP-201M -RD
Switch		
SW332	40T45282W02	SW,SLIDE SLD-42-508X (Ai-NET・NORM/(EQ/DIV))

Symbol No.	Part No.	Description
Thermistor		
TH501	48T25250Y01	TMT,ERTJ1VW104J -CP
Capacitors		
C001	08T15399W01	CAP,CER.223K-B1H -CP
C002	08T15399W01	CAP,CER.223K-B1H -CP
C003	08T15399W01	CAP,CER.223K-B1H -CP
C005	08S60102F46	CAP,CER 684K-B1E -CP
C008	08S45676W71	CAP,CER.682K-B1H -CP
C009	08S45677W52	CAP,CER 471J-CH1H-CP
C012	08S60102F40	CAP,CER 224K-B1E -CP
C016	08S45676W65	CAP,CER.222K-B1H -CP
C018	08S45677W48	CAP,CER.331J-CH1H-CP
C019	08S45677W36	CAP,CER.101J-CH1H-CP
C020	08S45676W73	CAP,CER.103K-B1H -CP
C025	08S45677W22	CAP,CER.27RJ-CH1H-CP
C026	08S45677W23	CAP,CER.30RJ-CH1H-CP
C028	08S45676W65	CAP,CER.222K-B1H -CP
C030	08S45677W54	CAP,CER 561J-CH1H-CP
C100	08S82122F61	CAP,CER.102J-CH1H-CP
C101	08S35374W01	CAP,CER 104K-B1E-CP
C102	08S45677W38	CAP,CER 121J-CH1H-CP
C103	08S65128F70	CAP,CER.123K-B1H -CP
C104	08T15399W01	CAP,CER.223K-B1H -CP
C105	08T15399W01	CAP,CER.223K-B1H -CP
C111	08S82122F61	CAP,CER.102J-CH1H-CP
C174	08S82122F65	CAP,CER.152J-CH1H-CP
C201	08T15349Y01	CAP,CER 105K-B1A -CP
C204	08S65128F70	CAP,CER.123K-B1H -CP
C206	08S35374W01	CAP,CER 104K-B1E-CP
C207	08S45677W36	CAP,CER.101J-CH1H-CP
C209	08S82122F61	CAP,CER.102J-CH1H-CP
C210	08S35374W01	CAP,CER 104K-B1E-CP
C211	08T15399W03	CAP,CER.473K-B1H -CP
C212	08S35374W01	CAP,CER 104K-B1E-CP
C216	08S60102F44	CAP,CER 474K-B1E -CP
C218	08S45677W25	CAP,CER 36RJ-CH1H-CP
C220	08T15349Y01	CAP,CER 105K-B1A -CP
C231	08S45676W67	CAP,CER.332K-B1H -CP
C232	08S45676W67	CAP,CER.332K-B1H -CP
C233	08S45676W87	CAP,CER 333K-B1E -CP
C234	08S45676W87	CAP,CER 333K-B1E -CP
C301	08S60102F48	CAP,CER 105K-B1E -CP
C302	08S60102F48	CAP,CER 105K-B1E -CP
C303	08S60102F48	CAP,CER 105K-B1E -CP
C304	08S60102F48	CAP,CER 105K-B1E -CP

Symbol No.	Part No.	Description
C305	08S60102F48	CAP,CER 105K-B1E -CP
C306	08T15399W03	CAP,CER.473K-B1H -CP
C308	08T15399W03	CAP,CER.473K-B1H -CP
C311	08S45676W63	CAP,CER 152K-B1H -CP
C312	08S45676W63	CAP,CER 152K-B1H -CP
C313	08S45677W20	CAP,CER.22RJ-CH1H-CP
C314	08S45677W20	CAP,CER.22RJ-CH1H-CP
C331	08T25628Y03	CAP,TF 224M-1C -CP
C332	08T25628Y03	CAP,TF 224M-1C -CP
C333	08T25628Y03	CAP,TF 224M-1C -CP
C334	08T25628Y03	CAP,TF 224M-1C -CP
C501	08S45677W12	CAP,CER.10RD-CH1H-CP
C502	08S45677W16	CAP,CER.15RJ-CH1H-CP
C503	08T15399W01	CAP,CER.223K-B1H -CP
C504	08S45677W18	CAP,CER.18RJ-CH1H-CP
C505	08S45677W16	CAP,CER.15RJ-CH1H-CP
C506	08T15399W01	CAP,CER.223K-B1H -CP
C507	08S45676W73	CAP,CER.103K-B1H -CP
C508	08T15399W01	CAP,CER.223K-B1H -CP
C601	08T15399W01	CAP,CER.223K-B1H -CP
C602	08S35374W01	CAP,CER 104K-B1E-CP
C603	08S45676W65	CAP,CER.222K-B1H -CP
C604	08S45677W36	CAP,CER.101J-CH1H-CP
C605	08T15399W01	CAP,CER.223K-B1H -CP
C607	08T15399W01	CAP,CER.223K-B1H -CP
C802	08T15399W01	CAP,CER.223K-B1H -CP
C804	08S45676W80	CAP,CER 223K-B1E -CP
C805	08T15399W01	CAP,CER.223K-B1H -CP
C806	08S35374W01	CAP,CER 104K-B1E-CP
C808	08S45677W36	CAP,CER.101J-CH1H-CP
C809	08S45677W22	CAP,CER.27RJ-CH1H-CP
C811	08S60102F44	CAP,CER 474K-B1E -CP
C812	08S60102F44	CAP,CER 474K-B1E -CP
C813	08S65128F71	CAP,CER.153K-B1H -CP
C830	08T15399W01	CAP,CER.223K-B1H -CP
C831	08T55390W34	CAP,TF 274J-1H -R5
C870	08T15399W01	CAP,CER.223K-B1H -CP
C871	08T95466W01	CAP,CER 222K-B2J -CP
C874	08T95466W01	CAP,CER 222K-B2J -CP
E001	23T55521W16	CAP,AK .22R-1C -R2
E002	23T55521W16	CAP,AK .22R-1C -R2
E003	23T55521W16	CAP,AK .22R-1C -R2
E004	23S75373W13	CAP,ELY 1R0-1H -R2
E005	23S75373W02	CAP,ELY 10R-1C -R2
E006	23S75373W13	CAP,ELY 1R0-1H -R2
E007	23T55521W16	CAP,AK .22R-1C -R2
E008	23T55521W16	CAP,AK .22R-1C -R2
E009	23S75373W02	CAP,ELY 10R-1C -R2
E010	23S75373W14	CAP,ELY 2R2-1H -R2

Symbol No.	Part No.	Description
E102	23T55378W03	CAP,KMG 471-1A -R2
E103	23S75372W05	CAP,ELY 22R-1C -R2
E104	23S75372W02	CAP,ELY 101-1A -R2
E105	23T95564W12	CAP,FC 101-1C-E -E6
E141	23S75372W15	CAP,ELY 1R0-1H -R2
E142	23S75372W15	CAP,ELY 1R0-1H -R2
E201	23S75372W15	CAP,ELY 1R0-1H -R2
E202	23S75372W15	CAP,ELY 1R0-1H -R2
E203	23S75372W15	CAP,ELY 1R0-1H -R2
E204	23S75372W15	CAP,ELY 1R0-1H -R2
E207	23S75372W05	CAP,ELY 22R-1C -R2
E208	23S75372W04	CAP,ELY 10R-1C -R2
E209	23S75372W17	CAP,ELY 3R3-1H -R2
E210	23S75372W17	CAP,ELY 3R3-1H -R2
E213	23S75372W04	CAP,ELY 10R-1C -R2
E214	23S75372W04	CAP,ELY 10R-1C -R2
E215	23S75373W14	CAP,ELY 2R2-1H -R2
E216	23S75372W04	CAP,ELY 10R-1C -R2
E217	23S75373W03	CAP,ELY 22R-1C -R2
E218	23S75373W02	CAP,ELY 10R-1C -R2
E219	23S75373W02	CAP,ELY 10R-1C -R2
E231	23S75372W04	CAP,ELY 10R-1C -R2
E232	23S75372W05	CAP,ELY 22R-1C -R2
E234	23S75372W04	CAP,ELY 10R-1C -R2
E235	23S75372W04	CAP,ELY 10R-1C -R2
E240	23S75372W05	CAP,ELY 22R-1C -R2
E305	23S75372W15	CAP,ELY 1R0-1H -R2
E306	23T95115W02	CAP,AD 1R0-1H -R2
E307	23T55378W06	CAP,KMG 47R-1V -R2
E308	23T75346W04	CAP,X-PRO 252-1D +
E309	23T25139Y03	CAP,PW 471-1E +
E310	23T25139Y03	CAP,PW 471-1E +
E313	23S75373W02	CAP,ELY 10R-1C -R2
E314	23T75346W03	CAP,X-PRO 332-1C +
E315	23T95564W41	CAP,FC 471-1C-G -EA
E316	23S75373W07	CAP,ELY 4R7-1V -R2
E317	23S75373W07	CAP,ELY 4R7-1V -R2
E318	23S75373W03	CAP,ELY 22R-1C -R2
E319	23S75373W03	CAP,ELY 22R-1C -R2
E320	23S75373W03	CAP,ELY 22R-1C -R2
E321	23S75373W14	CAP,ELY 2R2-1H -R2
E322	23S75373W14	CAP,ELY 2R2-1H -R2
E323	23S75373W06	CAP,ELY 101-1C -R2
E324	23S75373W06	CAP,ELY 101-1C -R2
E351	23S75373W14	CAP,ELY 2R2-1H -R2
E352	23S75373W14	CAP,ELY 2R2-1H -R2
E353	23S75373W14	CAP,ELY 2R2-1H -R2
E354	23S75373W14	CAP,ELY 2R2-1H -R2
E501	23S75372W03	CAP,ELY 221-1A -H2

Symbol No.	Part No.	Description
E502	23S75372W03	CAP,ELY 221-1A -H2
E503	23S75372W05	CAP,ELY 22R-1C -R2
E504	23S65134W32	CAP,ELY 22R-1C(5)-E3
E601	23T95564W08	CAP,FC 10R-1C-B -E2
E805	23S75373W06	CAP,ELY 101-1C -R2
E806	23S65134W72	CAP,ELY 3R3-1H(4)-E2
E807	23S75372W08	CAP,ELY 101-1C -H2
E808	23S75372W05	CAP,ELY 22R-1C -R2
E809	23S75373W06	CAP,ELY 101-1C -R2
E811	23S75372W04	CAP,ELY 10R-1C -R2
E812	23S75372W07	CAP,ELY 47R-1C -R2
E813	23S75372W18	CAP,ELY 101-1E -H2
E814	23S75372W02	CAP,ELY 101-1A -R2
E815	23S75372W06	CAP,ELY 33R-1C -R2
E818	23S65134W31	CAP,ELY 10R-1C(4)-E2
E821	23S75372W04	CAP,ELY 10R-1C -R2
E822	23T55521W16	CAP,AK .22R-1C -R2
E823	23S65134W62	CAP,ELY R22-1H(3)-E2
E870	23S75372W03	CAP,ELY 221-1A -H2
E871	23S75372W03	CAP,ELY 221-1A -H2
Resistors		
L502	06T75432W50	RES,RK JUMPER1/10-CP
R001	06T75433W01	RES,RK 10RJ 1/4 -CP
R003	06T25277Y47	RES,RK 391J 1/16 -CP
R010	06T25277Y95	RES,RK 393J 1/16 -CP
R011	06T25277Y87	RES,RK 183J 1/16 -CP
R012	06T25279Y03	RES,RK 225J 1/16 -CP
R014	06T25277Y97	RES,RK 473J 1/16 -CP
R015	06T25277Y97	RES,RK 473J 1/16 -CP
R016	06T25277Y57	RES,RK 102J 1/16 -CP
R017	06T25277Y57	RES,RK 102J 1/16 -CP
R018	06T25279Y04	RES,RK JUMPER1/16-CP
R019	06T25277Y81	RES,RK 103J 1/16 -CP
R022	06T25277Y89	RES,RK 223J 1/16 -CP
R025	06T25277Y75	RES,RK 562J 1/16 -CP
R026	06T25277Y81	RES,RK 103J 1/16 -CP
R027	06T25277Y93	RES,RK 333J 1/16 -CP
R029	06T25277Y91	RES,RK 273J 1/16 -CP
R030	06T75434W26	RES,RK JUMPER 1/4-CP
R031	06T75434W26	RES,RK JUMPER 1/4-CP
R032	06T75432W50	RES,RK JUMPER1/10-CP
R033	06T75432W50	RES,RK JUMPER1/10-CP
R034	06T25277Y57	RES,RK 102J 1/16 -CP
R035	06T25279Y04	RES,RK JUMPER1/16-CP
R036	06T25277Y43	RES,RK 271J 1/16 -CP
R037	06T25277Y43	RES,RK 271J 1/16 -CP

Symbol No.	Part No.	Description
R038	06T25277Y57	RES,RK 102J 1/16 -CP
R040	06T25277Y65	RES,RK 222J 1/16 -CP
R041	06T25278Y22	RES,RK 474J 1/16 -CP
R042	06T25277Y57	RES,RK 102J 1/16 -CP
R101	06T25277Y90	RES,RK 243J 1/16 -CP
R102	06T25277Y69	RES,RK 332J 1/16 -CP
R104	06T75432W50	RES,RK JUMPER1/10-CP
R111	06T75434W22	RES,RK 2R2J 1/4 -CP
R112	06T75434W22	RES,RK 2R2J 1/4 -CP
R113	06T75433W74	RES,RK 113J 1/4 -CP
R114	06T75433W51	RES,RK 122J 1/4 -CP
R115	06T25277Y97	RES,RK 473J 1/16 -CP
R116	06T75432W50	RES,RK JUMPER1/10-CP
R117	06T75432W50	RES,RK JUMPER1/10-CP
R133	06T75432W50	RES,RK JUMPER1/10-CP
R134	06T25279Y04	RES,RK JUMPER1/16-CP
R143	06T75434W26	RES,RK JUMPER 1/4-CP
R144	06T75434W26	RES,RK JUMPER 1/4-CP
R170	06T75433W25	RES,RK 101J 1/4 -CP
R171	06T75433W43	RES,RK 561J 1/4 -CP
R172	06T75433W43	RES,RK 561J 1/4 -CP
R173	06S15593Y65	RES,RK 472F 1/10 -CP
R174	06S15593Y81	RES,RK 223F 1/10 -CP
R175	06T25278Y22	RES,RK 474J 1/16 -CP
R201	06T25277Y90	RES,RK 243J 1/16 -CP
R203	06T25277Y95	RES,RK 393J 1/16 -CP
R204	06T25277Y65	RES,RK 222J 1/16 -CP
R206	06T25278Y22	RES,RK 474J 1/16 -CP
R207	06T25277Y57	RES,RK 102J 1/16 -CP
R208	06T25277Y57	RES,RK 102J 1/16 -CP
R209	06T25277Y97	RES,RK 473J 1/16 -CP
R210	06T25277Y97	RES,RK 473J 1/16 -CP
R215	06T25277Y77	RES,RK 682J 1/16 -CP
R217	06T25279Y04	RES,RK JUMPER1/16-CP
R218	06T25277Y80	RES RK 912J 1/16 -CP
R219	06T25277Y87	RES,RK 183J 1/16 -CP
R220	06T25277Y81	RES,RK 103J 1/16 -CP
R221	06T25277Y89	RES,RK 223J 1/16 -CP
R222	06T25277Y58	RES,RK 112J 1/16 -CP
R223	06T25277Y58	RES,RK 112J 1/16 -CP
R224	06T25277Y58	RES,RK 112J 1/16 -CP
R225	06T25277Y58	RES,RK 112J 1/16 -CP
R230	06T25277Y97	RES,RK 473J 1/16 -CP
R231	06T25277Y88	RES,RK 203J 1/16 -CP
R232	06T25277Y88	RES,RK 203J 1/16 -CP
R233	06T25277Y88	RES,RK 203J 1/16 -CP
R234	06T25277Y88	RES,RK 203J 1/16 -CP
R235	06T25277Y81	RES,RK 103J 1/16 -CP
R236	06T25277Y81	RES,RK 103J 1/16 -CP

Symbol No.	Part No.	Description
R237	06T25277Y81	RES,RK 103J 1/16 -CP
R256	06T25277Y89	RES,RK 223J 1/16 -CP
R301	06T25277Y81	RES,RK 103J 1/16 -CP
R302	06T75433W90	RES,RK 513J 1/4 -CP
R304	06T75434W19	RES,RK 754J 1/4 -CP
R311	06S15593Y82	RES,RK 243F 1/10 -CP
R312	06S15593Y82	RES,RK 243F 1/10 -CP
R313	06S15593Y86	RES,RK 363F 1/10 -CP
R314	06S15593Y86	RES,RK 363F 1/10 -CP
R321	06T25277Y96	RES,RK 433J 1/16 -CP
R322	06T25277Y96	RES,RK 433J 1/16 -CP
R323	06T75431W43	RES,RK 221J 1/10 -CP
R324	06T75431W43	RES,RK 221J 1/10 -CP
R325	06T75431W35	RES,RK 101J 1/10 -CP
R326	06T75431W35	RES,RK 101J 1/10 -CP
R351	06T25277Y96	RES,RK 433J 1/16 -CP
R352	06T25277Y96	RES,RK 433J 1/16 -CP
R353	06T75431W42	RES,RK 201J 1/10 -CP
R354	06T75431W42	RES,RK 201J 1/10 -CP
R355	06T75431W35	RES,RK 101J 1/10 -CP
R356	06T75431W35	RES,RK 101J 1/10 -CP
R363	06T25277Y96	RES,RK 433J 1/16 -CP
R364	06T25277Y96	RES,RK 433J 1/16 -CP
R365	06T75431W42	RES,RK 201J 1/10 -CP
R367	06T75431W35	RES,RK 101J 1/10 -CP
R368	06T75431W42	RES,RK 201J 1/10 -CP
R370	06T75431W35	RES,RK 101J 1/10 -CP
R371	06T25277Y75	RES,RK 562J 1/16 -CP
R372	06T25277Y75	RES,RK 562J 1/16 -CP
R373	06T25277Y75	RES,RK 562J 1/16 -CP
R374	06T25277Y75	RES,RK 562J 1/16 -CP
R375	06T25277Y75	RES,RK 562J 1/16 -CP
R376	06T25277Y75	RES,RK 562J 1/16 -CP
R385	06T25277Y41	RES,RK 221J 1/16 -CP
R386	06T25277Y41	RES,RK 221J 1/16 -CP
R389	06T25277Y41	RES,RK 221J 1/16 -CP
R390	06T25277Y41	RES,RK 221J 1/16 -CP
R500	06T75431W59	RES,RK 102J 1/10 -CP
R501	06T75431W59	RES,RK 102J 1/10 -CP
R502	06T75431W59	RES,RK 102J 1/10 -CP
R503	06T75431W59	RES,RK 102J 1/10 -CP
R504	06T75431W59	RES,RK 102J 1/10 -CP
R505	06T75431W59	RES,RK 102J 1/10 -CP
R506	06T75431W59	RES,RK 102J 1/10 -CP
R507	06T75431W59	RES,RK 102J 1/10 -CP
R508	06T25278Y23	RES,RK 514J 1/16 -CP
R509	06T25278Y27	RES,RK 754J 1/16 -CP
R510	06S15593Y53	RES,RK 152F 1/10 -CP
R511	06T75431W59	RES,RK 102J 1/10 -CP

Symbol No.	Part No.	Description
R512	06T25277Y57	RES,RK 102J 1/16 -CP
R513	06T25277Y81	RES,RK 103J 1/16 -CP
R514	06T25277Y57	RES,RK 102J 1/16 -CP
R515	06T25277Y57	RES,RK 102J 1/16 -CP
R516	06T25277Y57	RES,RK 102J 1/16 -CP
R517	06T25277Y57	RES,RK 102J 1/16 -CP
R519	06T25277Y83	RES,RK 123J 1/16 -CP
R520	06T25278Y06	RES,RK 104J 1/16 -CP
R521	06T75432W50	RES,RK JUMPER1/10-CP
R522	06T25277Y57	RES,RK 102J 1/16 -CP
R523	06T25277Y57	RES,RK 102J 1/16 -CP
R524	06T25277Y57	RES,RK 102J 1/16 -CP
R525	06T75434W14	RES,RK 474J 1/4 -CP
R526	06S15593Y55	RES,RK 182F 1/10 -CP
R529	06T25277Y97	RES,RK 473J 1/16 -CP
R530	06T25277Y97	RES,RK 473J 1/16 -CP
R531	06T75432W50	RES,RK JUMPER1/10-CP
R532	06T75432W50	RES,RK JUMPER1/10-CP
R533	06T25277Y57	RES,RK 102J 1/16 -CP
R534	06T25277Y57	RES,RK 102J 1/16 -CP
R535	06T25277Y57	RES,RK 102J 1/16 -CP
R536	06T25277Y81	RES,RK 103J 1/16 -CP
R537	06T25277Y81	RES,RK 103J 1/16 -CP
R541	06T25277Y57	RES,RK 102J 1/16 -CP
R542	06T25277Y77	RES,RK 682J 1/16 -CP
R543	06T25277Y81	RES,RK 103J 1/16 -CP
R544	06T25277Y89	RES,RK 223J 1/16 -CP
R549	06T25277Y57	RES,RK 102J 1/16 -CP
R550	06T25277Y89	RES,RK 223J 1/16 -CP
R551	06T25277Y73	RES,RK 472J 1/16 -CP
R552	06T25277Y57	RES,RK 102J 1/16 -CP
R553	06T25277Y89	RES,RK 223J 1/16 -CP
R554	06T25277Y81	RES,RK 103J 1/16 -CP
R555	06T25277Y81	RES,RK 103J 1/16 -CP
R559	06T25277Y81	RES,RK 103J 1/16 -CP
R560	06T25277Y89	RES,RK 223J 1/16 -CP
R561	06T75433W33	RES,RK 221J 1/4 -CP
R562	06T25277Y89	RES,RK 223J 1/16 -CP
R563	06T25277Y89	RES,RK 223J 1/16 -CP
R571	06T25277Y57	RES,RK 102J 1/16 -CP
R572	06T25277Y57	RES,RK 102J 1/16 -CP
R573	06T25277Y57	RES,RK 102J 1/16 -CP
R580	06T25277Y97	RES,RK 473J 1/16 -CP
R582	06T25277Y57	RES,RK 102J 1/16 -CP
R592	06T25277Y57	RES,RK 102J 1/16 -CP
R599	06T25277Y97	RES,RK 473J 1/16 -CP
R601	06T75433W73	RES,RK 103J 1/4 -CP
R602	06T25277Y97	RES,RK 473J 1/16 -CP
R603	06T75433W73	RES,RK 103J 1/4 -CP

Symbol No.	Part No.	Description
R604	06T25277Y81	RES,RK 103J 1/16 -CP
R605	06T75433W49	RES,RK 102J 1/4 -CP
R606	06T75431W83	RES,RK 103J 1/10 -CP
R607	06T75433W25	RES,RK 101J 1/4 -CP
R608	06T25277Y65	RES,RK 222J 1/16 -CP
R609	06T25277Y69	RES,RK 332J 1/16 -CP
R610	06T25277Y81	RES,RK 103J 1/16 -CP
R611	06T25277Y89	RES,RK 223J 1/16 -CP
R612	06T25277Y57	RES,RK 102J 1/16 -CP
R613	06T75433W13	RES,RK 33RJ 1/4 -CP
R614	06T75433W13	RES,RK 33RJ 1/4 -CP
R615	06T75433W13	RES,RK 33RJ 1/4 -CP
R616	06T75433W13	RES,RK 33RJ 1/4 -CP
R617	06T75433W13	RES,RK 33RJ 1/4 -CP
R618	06T75433W13	RES,RK 33RJ 1/4 -CP
R619	06T25277Y97	RES,RK 473J 1/16 -CP
R620	06T25277Y97	RES,RK 473J 1/16 -CP
R621	06T25277Y89	RES,RK 223J 1/16 -CP
R622	06T25277Y89	RES,RK 223J 1/16 -CP
R623	06T25277Y89	RES,RK 223J 1/16 -CP
R655	06T75433W39	RES,RK 391J 1/4 -CP
R801	06T75433W82	RES,RK 243J 1/4 -CP
R802	06T25590Y02	RES,RS 561J 1W -
R804	06T25278Y24	RES,RK 564J 1/16 -CP
R806	06T75433W65	RES,RK 472J 1/4 -CP
R807	06T75433W65	RES,RK 472J 1/4 -CP
R808	06T25277Y57	RES,RK 102J 1/16 -CP
R809	06T25277Y81	RES,RK 103J 1/16 -CP
R811	06T75431W59	RES,RK 102J 1/10 -CP
R812	06T25277Y99	RES,RK 563J 1/16 -CP
R813	06T75433W31	RES,RK 181J 1/4 -CP
R814	06T75434W22	RES,RK 2R2J 1/4 -CP
R815	06T75433W33	RES,RK 221J 1/4 -CP
R817	06T75434W22	RES,RK 2R2J 1/4 -CP
R818	06T75434W22	RES,RK 2R2J 1/4 -CP
R819	06T75433W47	RES,RK 821J 1/4 -CP
R824	06T75433W54	RES,RK 162J 1/4 -CP
R826	06T25277Y83	RES,RK 123J 1/16 -CP
R831	06T25277Y69	RES,RK 332J 1/16 -CP
R832	06T75433W49	RES,RK 102J 1/4 -CP
R833	06T75433W73	RES,RK 103J 1/4 -CP
R837	06T75431W92	RES,RK 243J 1/10 -CP
R838	06T75433W55	RES,RK 182J 1/4 -CP
R839	06T75433W55	RES,RK 182J 1/4 -CP
R840	06T25590Y03	RES,RS 2R2J 1W -
R847	06T75431W83	RES,RK 103J 1/10 -CP
R850	06T25277Y61	RES,RK 152J 1/16 -CP
R851	06T25277Y65	RES,RK 222J 1/16 -CP
R853	06T25277Y65	RES,RK 222J 1/16 -CP

CDA-7873R

Symbol No.	Part No.	Description
R854	06T25277Y61	RES,RK 152J 1/16 -CP
R855	06T75433W01	RES,RK 10RJ 1/4 -CP
R856	06T75433W15	RES,RK 39RJ 1/4 -CP
R857	06T75433W15	RES,RK 39RJ 1/4 -CP
R858	06T75433W15	RES,RK 39RJ 1/4 -CP
R859	06T75433W15	RES,RK 39RJ 1/4 -CP
R860	06T25277Y59	RES,RK 122J 1/16 -CP
R861	06T25277Y73	RES,RK 472J 1/16 -CP
R862	06T25277Y77	RES,RK 682J 1/16 -CP
R863	06T25277Y81	RES,RK 103J 1/16 -CP
R864	06T25277Y81	RES,RK 103J 1/16 -CP
R865	06T25277Y81	RES,RK 103J 1/16 -CP
R866	06T25277Y81	RES,RK 103J 1/16 -CP
R867	06T25277Y77	RES,RK 682J 1/16 -CP
R868	06T25277Y84	RES,RK 133J 1/16 -CP
R869	06T25277Y85	RES,RK 153J 1/16 -CP
R870	06T25277Y83	RES,RK 123J 1/16 -CP
R872	06T75433W35	RES,RK 271J 1/4 -CP
R873	06T75433W35	RES,RK 271J 1/4 -CP
R874	06T25277Y90	RES,RK 243J 1/16 -CP
R875	06T75433W41	RES,RK 471J 1/4 -CP
R876	06S15593Y55	RES,RK 182F 1/10 -CP
R877	06S15593Y67	RES,RK 562F 1/10 -CP
R878	06T25277Y97	RES,RK 473J 1/16 -CP
R879	06T25277Y81	RES,RK 103J 1/16 -CP
R881	06T75434W22	RES,RK 2R2J 1/4 -CP
R882	06T75431W83	RES,RK 103J 1/10 -CP
R889	06T75432W50	RES,RK JUMPER1/10-CP
RA506	06S45591W06	RES,ARY MNR102J 4-CP
RA507	06S45591W06	RES,ARY MNR102J 4-CP
RA508	06S45591W06	RES,ARY MNR102J 4-CP
RA510	06S45591W06	RES,ARY MNR102J 4-CP
RA511	06S45591W06	RES,ARY MNR102J 4-CP
Connectors		
CB330	09T25436Y06	WTB,53253-0610 -DB
CB331	09T25436Y03	WTB,53253-0310 -DB
CB501	09T45434W15	FFC,52271-1590 -ED
CB601	09T25436Y02	WTB,53253-0210 -DB
CB802	09T25738Y05	WTB,53254-0510 -DB
CB803	09T25738Y03	WTB,53254-0310 -DB
CH101	09T25684Y22	FFC,SLW22R-1C7 -DB

Symbol No.	Part No.	Description
Front P.W.Board		
IC's		
IC401	51T85152W01	LC75883 -QT
IC402	51T15186Y01	LC75823W -QT
IC403	51T35614Y01	SBX3050-02 -NE5
Transistors		
Q401	48T63788F04	TR ,CP.2SD1328-T -TX
Q402	48T63788F04	TR ,CP.2SD1328-T -TX
Q403	48T63788F04	TR ,CP.2SD1328-T -TX
Q404	48T64222F01	TR ,UN2211 10-10 -TX
Q405	48T64222F01	TR ,UN2211 10-10 -TX
Q407	48T73023F01	TR ,2SD874A -E2
Diodes		
D401	48T81063F01	DIO,CP.MA159 / TX-CP
D402	48T94471F01	TR , IMN10
D405	48T85357W01	DIO,1PS226 -CP
D406	48T85357W01	DIO,1PS226 -CP
D407	48T85357W01	DIO,1PS226 -CP
D408	48T85357W01	DIO,1PS226 -CP
D409	48T85357W01	DIO,1PS226 -CP
D411	48T25651W02	DIO,MA152WK-TX -CP
D450	48T44813F03	DIO,MA165 -R5
ZD401	48T84735F21	DIO,ZEN.MA3082-H -CP
ZD402	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD403	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD404	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD407	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD408	48T62934F26	DIO,ZEN.RD6.2MB3 -CP
ZD409	48T62934F26	DIO,ZEN.RD6.2MB3 -CP
LED's		
LD401	48T25534Y02	LED,RED BR1111C -CP
LD402	48T25534Y10	LED,YEL FY1111C -CP
LD403	48T25534Y10	LED,YEL FY1111C -CP
LD404	48T25534Y10	LED,YEL FY1111C -CP
LD405	48T25534Y03	LED,AMB AA1111C -CP
LD406	48T25534Y03	LED,AMB AA1111C -CP
LD407	48T25534Y03	LED,AMB AA1111C -CP
LD408	48T25534Y03	LED,AMB AA1111C -CP
LD409	48T25534Y03	LED,AMB AA1111C -CP

Symbol No.	Part No.	Description
LD410	48T25534Y03	LED,AMB AA1111C -CP
LD411	48T25534Y03	LED,AMB AA1111C -CP
LD412	48T25534Y03	LED,AMB AA1111C -CP
LD413	48T25534Y03	LED,AMB AA1111C -CP
LD414	48T25534Y03	LED,AMB AA1111C -CP
LD415	48T25534Y03	LED,AMB AA1111C -CP
LD416	48T25534Y03	LED,AMB AA1111C -CP
LD417	48T25534Y03	LED,AMB AA1111C -CP
LD418	48T25534Y03	LED,AMB AA1111C -CP
LD419	48T25534Y03	LED,AMB AA1111C -CP
LD420	48T25534Y03	LED,AMB AA1111C -CP
LD421	48T25534Y03	LED,AMB AA1111C -CP
LD422	48T25534Y03	LED,AMB AA1111C -CP
LD423	48T25534Y03	LED,AMB AA1111C -CP
LD424	48T25534Y03	LED,AMB AA1111C -CP
LD425	48T25534Y03	LED,AMB AA1111C -CP
LD426	48T45280Y01	LED,WHT NSCWS405T-E2
LD427	48T45280Y01	LED,WHT NSCWS405T-E2
LD428	48T45280Y01	LED,WHT NSCWS405T-E2
LD429	48T45280Y01	LED,WHT NSCWS405T-E2
LD430	48T45280Y01	LED,WHT NSCWS405T-E2
LD431	48T45280Y01	LED,WHT NSCWS405T-E2
LD432	48T25534Y01	LED,GRN BG1111C -CP
LD433	48T25534Y01	LED,GRN BG1111C -CP
LD434	48T25534Y01	LED,GRN BG1111C -CP
LD435	48T25534Y01	LED,GRN BG1111C -CP
LD440	48T25534Y01	LED,GRN BG1111C -CP
LD441	48T25534Y01	LED,GRN BG1111C -CP
LD442	48T25534Y01	LED,GRN BG1111C -CP
LD443	48T25534Y01	LED,GRN BG1111C -CP
LD444	48T25534Y01	LED,GRN BG1111C -CP
LD445	48T25534Y01	LED,GRN BG1111C -CP

Switches

Symbol No.	Part No.	Description
SW401	40T55656W06	SW,TACT SKQMAJ001-E2(SOURCE/POWER)
SW402	40T55656W06	SW,TACT SKQMAJ001-E2(FWD/UP)
SW403	40T55656W06	SW,TACT SKQMAJ001-E2(X-OVER)
SW404	40T25004Y01	SW,TACT SKQYPB -E2(3/PTY)
SW405	40T55656W06	SW,TACT SKQMAJ001-E2 (PLAY/PAUSE/TUNE/A.ME)
SW406	40T25004Y01	SW,TACT SKQYPB -E2(TITLE)
SW407	40T25004Y01	SW,TACT SKQYPB -E2 (4/R.TEXT/M.I.X.)
SW408	40T55656W06	SW,TACT SKQMAJ001-E2(BAND/T.S.M.)
SW409	40T55656W06	SW,TACT SKQMAJ001-E2(T.INFO)
SW410	40T25004Y01	SW,TACT SKQYPB -E2(F/SET UP)
SW411	40T55656W06	SW,TACT SKQMAJ001-E2(DISP)

Symbol No.	Part No.	Description
SW412	40T55656W06	SW,TACT SKQMAJ001-E2(B-FWD/DEFEAT)
SW413	40T25004Y01	SW,TACT SKQYPB -E2(1/AF)
SW414	40T25004Y01	SW,TACT SKQYPB -E2(5/REPEAT)
SW415	40T25004Y01	SW,TACT SKQYPB -E2(EJECT)
SW416	40T55656W06	SW,TACT SKQMAJ001-E2(BWD/DN)
SW417	40T55656W06	SW,TACT SKQMAJ001-E2(CENTERf)
SW418	40T25004Y01	SW,TACT SKQYPB -E2(2/P.PTY)
SW419	40T25004Y01	SW,TACT SKQYPB -E2(6/SCAN)
SW420	40T25004Y01	SW,TACT SKQYPB -E2(ANGLE▲▼)
SW422	40T55656W06	SW,TACT SKQMAJ001-E2(RESET)

Lamps

Symbol No.	Part No.	Description
PL401	65T35324Y02	LAMP,GRN 6-80 -E5
PL402	65T35324Y02	LAMP,GRN 6-80 -E5
PL403	65T35324Y02	LAMP,GRN 6-80 -E5
PL404	65T35324Y02	LAMP,GRN 6-80 -E5

Capacitors

Symbol No.	Part No.	Description
C401	08S53332F62	CAP,CP .473-K-B -CP
C402	08S82122F61	CAP,CER.102J-CH1H-CP
C403	08T15399W03	CAP,CER.473K-B1H -CP
C404	08T15399W03	CAP,CER.473K-B1H -CP
C405	08S53332F62	CAP,CP .473-K-B -CP
C406	08T15399W03	CAP,CER.473K-B1H -CP
C407	08T15399W03	CAP,CER.473K-B1H -CP
C408	08S82122F57	CAP,CER.681J-CH1H-CP
C409	08T15349Y01	CAP,CER 105K-B1A -CP
C411	08S45677W42	CAP,CER.181J-CH1H-CP
C412	08S45677W42	CAP,CER.181J-CH1H-CP
C413	08S45677W42	CAP,CER.181J-CH1H-CP
C414	08S45677W42	CAP,CER.181J-CH1H-CP
C415	08S45677W42	CAP,CER.181J-CH1H-CP
C416	08S45677W42	CAP,CER.181J-CH1H-CP
C417	08T15399W01	CAP,CER.223K-B1H -CP
E402	23S55311W42	CAP,TAN.4R7-1D-B -CP

Resistors

Symbol No.	Part No.	Description
R400	06T75433W75	RES,RK 123J 1/4 -CP
R401	06T75431W59	RES,RK 102J 1/10 -CP
R402	06T75431W59	RES,RK 102J 1/10 -CP
R403	06T75431W59	RES,RK 102J 1/10 -CP
R404	06T75431W59	RES,RK 102J 1/10 -CP
R405	06T75431W47	RES,RK 331J 1/10 -CP
R406	06T75431W59	RES,RK 102J 1/10 -CP

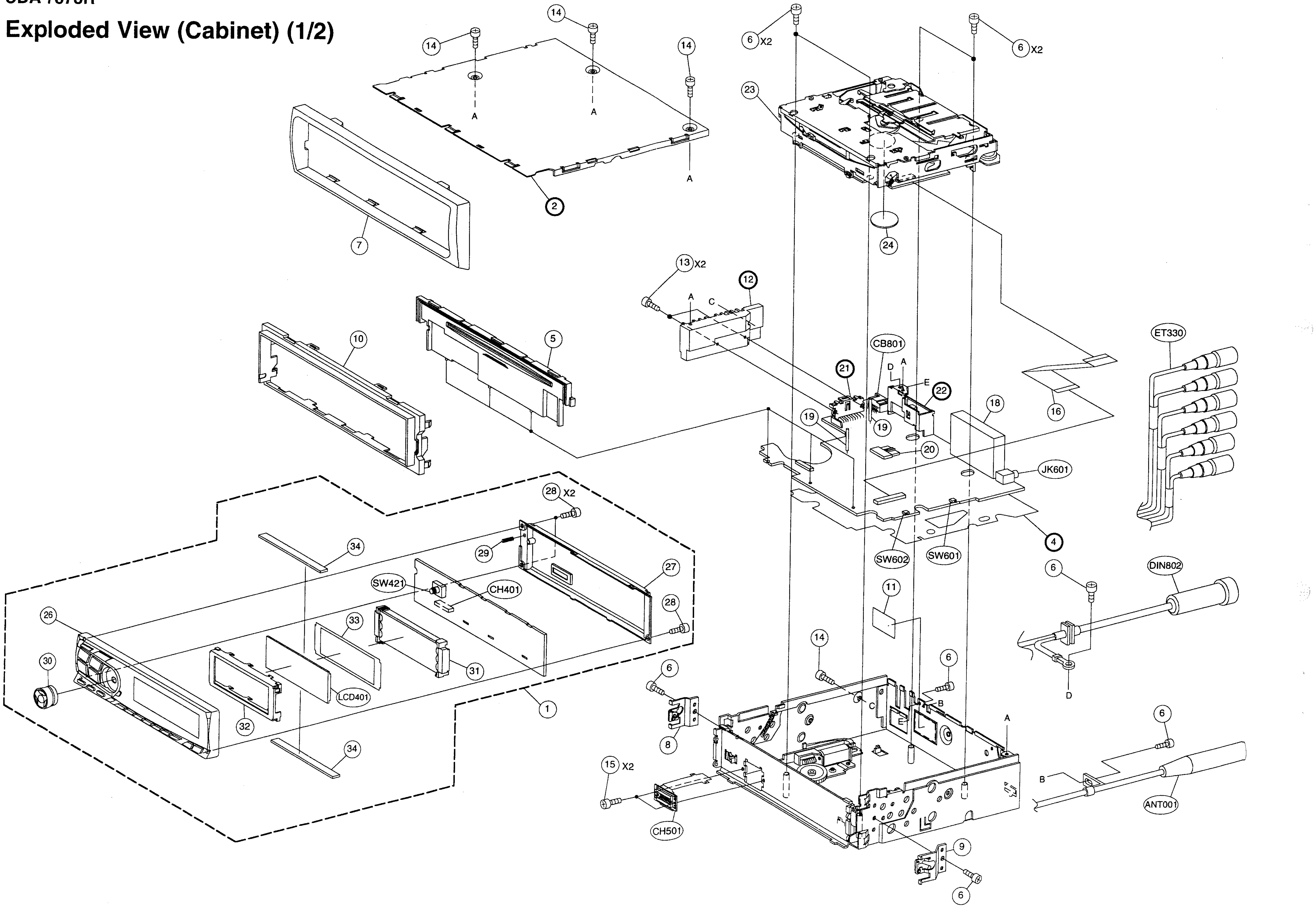
Symbol No.	Part No.	Description
R407	06T75431W59	RES,RK 102J 1/10 -CP
R409	06T75433W03	RES,RK 12RJ 1/4 -CP
R410	06T75433W08	RES,RK 20RJ 1/4 -CP
R411	06T75433W44	RES,RK 621J 1/4 -CP
R412	06T75433W39	RES,RK 391J 1/4 -CP
R413	06T75433W39	RES,RK 391J 1/4 -CP
R414	06T75433W39	RES,RK 391J 1/4 -CP
R415	06T75433W43	RES,RK 561J 1/4 -CP
R416	06T75433W35	RES,RK 271J 1/4 -CP
R417	06T75433W25	RES,RK 101J 1/4 -CP
R418	06T75433W25	RES,RK 101J 1/4 -CP
R419	06T75433W25	RES,RK 101J 1/4 -CP
R420	06T75431W67	RES,RK 222J 1/10 -CP
R421	06T75431W67	RES,RK 222J 1/10 -CP
R422	06T75433W21	RES,RK 68RJ 1/4 -CP
R423	06T75431W67	RES,RK 222J 1/10 -CP
R427	06T25277Y96	RES,RK 433J 1/16 -CP
R429	06T25277Y57	RES,RK 102J 1/16 -CP
R438	06T25277Y57	RES,RK 102J 1/16 -CP
R439	06T25277Y96	RES,RK 433J 1/16 -CP
R443	06T75432W08	RES,RK 104J 1/10 -CP
R444	06T75431W75	RES,RK 472J 1/10 -CP
R446	06T75431W35	RES,RK 101J 1/10 -CP
R448	06T25277Y57	RES,RK 102J 1/16 -CP
R450	06T75433W32	RES,RK 201J 1/4 -CP
R451	06T75433W33	RES,RK 221J 1/4 -CP
R452	06T75433W49	RES,RK 102J 1/4 -CP
R454	06T75433W32	RES,RK 201J 1/4 -CP
R455	06T75433W33	RES,RK 221J 1/4 -CP
R456	06T75434W26	RES,RK JUMPER 1/4-CP
R468	06T75433W36	RES,RK 301J 1/4 -CP
R469	06T75433W36	RES,RK 301J 1/4 -CP
R471	06T75434W26	RES,RK JUMPER 1/4-CP
R474	06T75433W01	RES,RK 10RJ 1/4 -CP
R475	06T75433W60	RES,RK 302J 1/4 -CP
R476	06T75433W41	RES,RK 471J 1/4 -CP
R480	06T75432W50	RES,RK JUMPER1/10-CP
RA401	06S45591W06	RES,ARY MNR102J 4-CP
RA402	06S45591W06	RES,ARY MNR102J 4-CP
RA403	06S45591W06	RES,ARY MNR102J 4-CP
RA404	06S45591W06	RES,ARY MNR102J 4-CP

Symbol No.	Part No.	Description
DP-S Main P.W.Board		
IC's		
IC101	51T25729Y05	MN662771AB1 -QT
IC102	51T35372Y01	AN8882SB-E1 -SEA
IC103	51T25503Y01	BA5985FM-E2 -SEA
IC104	51T15194Y01	TC74VHCT08AFT-EL-SE5
IC201	51T11054W02	NJM78L05UA-TE1 -NE2
IC203	51T16025W01	IC,NJM2100M-TE3-SE03
Transistors		
Q101	48T80611F01	CP.2SB1132-QR-101-E3
Q102	48T73888F08	TR ,CP.FMG1-99
Q103	48T73888F08	TR ,CP.FMG1-99
Q105	48T73888F12	TR ,CP.FMC2-99
Q106	48T94875F06	DTB,CP-113ZK-96
Q107	48T94606F03	TR,DTC124EUA-T106-CP
Diode		
D101	48T81063F01	DIO,CP.MA159 / TX-CP
Crystals		
CL102	91T75576W01	OSC,CER EFOS4194E-E5
XL101	91T35227Y01	XTL,CS10 16.9344M-E2
Thermistor		
TH101	48T25250Y01	TMT,ERTJ1VV104J -CP
Capacitors		
C101	08S65128F78	CAP,CER.223K-B1H -CP
C102	08S65128F90	CAP,CER 473K-B1H -CP
C104	08S65128F78	CAP,CER.223K-B1H -CP
C105	08S65128F64	CAP,CER.392K-B1H -CP
C106	08T15349Y01	CAP,CER 105K-B1A -CP
C108	08S65128F79	CAP,CER.273K-B1H -CP
C109	08S65128F79	CAP,CER.273K-B1H -CP
C110	08S65128F65	CAP,CER.472K-B1H -CP
C111	08S65128F61	CAP,CER.222K-B1H -CP
C112	08S12453W04	CAP,CER 331G-CH1H-CP

Symbol No.	Part No.	Description
C114	08S65128F67	CAP, CER. 682K-B1H -CP
C115	08S65128F78	CAP, CER. 223K-B1H -CP
C120	08S82122F55	CAP, CER. 561J-CH1H-CP
C121	08S35374W01	CAP, CER 104K-B1E-CP
C122	08S82122F42	CAP, CER. 161J-CH1H-CP
C123	08S82122F33	CAP, CER. 68RJ-CH1H-CP
C124	08S65128F78	CAP, CER. 223K-B1H -CP
C125	08S65128F66	CAP, CER. 562K-B1H -CP
C126	08S35374W01	CAP, CER 104K-B1E-CP
C127	08S35374W01	CAP, CER 104K-B1E-CP
C129	08S65128F60	CAP, CER. 182K-B1H -CP
C131	08S82122F37	CAP, CER. 101J-CH1H-CP
C133	08S35374W01	CAP, CER 104K-B1E-CP
C134	08S65128F78	CAP, CER. 223K-B1H -CP
C135	08S65128F78	CAP, CER. 223K-B1H -CP
C136	08S65128F78	CAP, CER. 223K-B1H -CP
C137	08S35374W01	CAP, CER 104K-B1E-CP
C138	08T55487W02	CAP, CER. 224K-B1C -CP
C139	08S65128F78	CAP, CER. 223K-B1H -CP
C140	08S65128F78	CAP, CER. 223K-B1H -CP
C141	08S35374W01	CAP, CER 104K-B1E-CP
C146	08S53332F67	CAP, CER. 104K-B1H -CP
C147	08S65128F78	CAP, CER. 223K-B1H -CP
C148	08S65128F57	CAP, CER. 102K-B1H -CP
C149	08S65128F41	CAP, CER. 181J-SL1H-CP
C150	08S65128F59	CAP, CER. 152K-B1H -CP
C151	08S65128F69	CAP, CER. 103K-B1H -CP
C153	08S35374W01	CAP, CER 104K-B1E-CP
C201	08S82122F59	CAP, CER. 821J-CH1H-CP
C202	08S82122F59	CAP, CER. 821J-CH1H-CP
C203	08S82122F47	CAP, CER. 271J-CH1H-CP
C204	08S82122F47	CAP, CER. 271J-CH1H-CP
C207	08S82122F41	CAP, CER. 151J-CH1H-CP
C208	08S82122F41	CAP, CER. 151J-CH1H-CP
C209	08S45677W18	CAP, CER. 18RJ-CH1H-CP
C210	08S45677W18	CAP, CER. 18RJ-CH1H-CP
E101	23S55311W35	CAP, TAN 10R-1C-B -CP
E102	23T85373W03	CAP, ECAR 47R-05-C-E5
E103	23T85373W03	CAP, ECAR 47R-05-C-E5
E104	23T85373W06	CAP, RA 4R7-1V-B -E5
E106	23T85373W05	CAP, ECAR 10R-1C-C-E5
E107	23S55311W35	CAP, TAN 10R-1C-B -CP
E108	23S55311W35	CAP, TAN 10R-1C-B -CP
E110	23S55311W35	CAP, TAN 10R-1C-B -CP
E111	23T85373W03	CAP, ECAR 47R-05-C-E5
E112	23T85373W04	CAP, RA 22R-0J-B -E5
E113	23T85373W05	CAP, ECAR 10R-1C-C-E5
E201	23T85373W04	CAP, RA 22R-0J-B -E5
E202	23T85373W04	CAP, RA 22R-0J-B -E5
E203	23T85373W04	CAP, RA 22R-0J-B -E5
Resistors		
R101	06T25277Y82	RES, RK 113J 1/16 -CP
R102	06T25279Y04	RES, RK JUMPER1/16-CP
R103	06T25279Y04	RES, RK JUMPER1/16-CP
R104	06T25277Y82	RES, RK 113J 1/16 -CP
R105	06T75433W01	RES, RK 10RJ 1/4 -CP
R106	06T25277Y97	RES, RK 473J 1/16 -CP
R107	06T75433W03	RES, RK 12RJ 1/4 -CP
R108	06T25277Y93	RES, RK 333J 1/16 -CP
R109	06T25277Y97	RES, RK 473J 1/16 -CP
R110	06T25277Y99	RES, RK 563J 1/16 -CP
R111	06T25279Y04	RES, RK JUMPER1/16-CP
R112	06T25277Y81	RES, RK 103J 1/16 -CP
R113	06T25277Y99	RES, RK 563J 1/16 -CP
R114	06T25278Y14	RES, RK 224J 1/16 -CP
R115	06T25278Y15	RES, RK 244J 1/16 -CP
R116	06T25277Y97	RES, RK 473J 1/16 -CP
R120	06T25277Y74	RES, RK 512J 1/16 -CP
R121	06T25277Y88	RES, RK 203J 1/16 -CP
R122	06T25277Y81	RES, RK 103J 1/16 -CP
R123	06T25277Y87	RES, RK 183J 1/16 -CP
R124	06T25277Y33	RES, RK 101J 1/16 -CP
R125	06T25277Y97	RES, RK 473J 1/16 -CP
R126	06T25277Y92	RES, RK 303J 1/16 -CP
R127	06T25277Y98	RES, RK 513J 1/16 -CP
R128	06T25277Y67	RES, RK 272J 1/16 -CP
R129	06T25278Y20	RES, RK 394J 1/16 -CP
R130	06T25277Y97	RES, RK 473J 1/16 -CP
R131	06T25279Y04	RES, RK JUMPER1/16-CP
R132	06T25279Y04	RES, RK JUMPER1/16-CP
R133	06T25277Y57	RES, RK 102J 1/16 -CP
R134	06T25277Y65	RES, RK 222J 1/16 -CP
R141	06T25277Y33	RES, RK 101J 1/16 -CP
R149	06T25277Y50	RES, RK 511J 1/16 -CP
R150	06T25278Y20	RES, RK 394J 1/16 -CP
R151	06T25277Y98	RES, RK 513J 1/16 -CP
R152	06T25277Y81	RES, RK 103J 1/16 -CP
R153	06T25277Y93	RES, RK 333J 1/16 -CP
R154	06T25277Y81	RES, RK 103J 1/16 -CP
R155	06T25277Y33	RES, RK 101J 1/16 -CP
R156	06T25277Y33	RES, RK 101J 1/16 -CP
R157	06T25277Y89	RES, RK 223J 1/16 -CP
R158	06T25277Y85	RES, RK 153J 1/16 -CP
R159	06T25277Y81	RES, RK 103J 1/16 -CP
R160	06T25279Y04	RES, RK JUMPER1/16-CP
R161	06T25277Y67	RES, RK 272J 1/16 -CP
R162	06T25278Y14	RES, RK 224J 1/16 -CP
R163	06T25277Y49	RES, RK 471J 1/16 -CP
R164	06T25278Y06	RES, RK 104J 1/16 -CP
R165	06T25279Y01	RES, RK 105J 1/16 -CP
R166	06T25277Y33	RES, RK 101J 1/16 -CP
R167	06T25277Y33	RES, RK 101J 1/16 -CP
R168	06T25277Y33	RES, RK 101J 1/16 -CP
R169	06T25277Y33	RES, RK 101J 1/16 -CP
R170	06T25277Y97	RES, RK 473J 1/16 -CP
R171	06T25279Y04	RES, RK JUMPER1/16-CP
R172	06T25277Y97	RES, RK 473J 1/16 -CP
R173	06T25279Y04	RES, RK JUMPER1/16-CP
R174	06T25277Y93	RES, RK 333J 1/16 -CP
R177	06T25277Y79	RES, RK 822J 1/16 -CP
R178	06T25278Y08	RES, RK 124J 1/16 -CP
R179	06T25277Y33	RES, RK 101J 1/16 -CP
R180	06T25277Y33	RES, RK 101J 1/16 -CP
R181	06T25277Y33	RES, RK 101J 1/16 -CP
R182	06T25277Y33	RES, RK 101J 1/16 -CP
R183	06T25277Y33	RES, RK 101J 1/16 -CP
R184	06T25277Y33	RES, RK 101J 1/16 -CP
R185	06T25277Y33	RES, RK 101J 1/16 -CP
R186	06T25277Y33	RES, RK 101J 1/16 -CP
R187	06T25277Y33	RES, RK 101J 1/16 -CP
R188	06T25277Y33	RES, RK 101J 1/16 -CP
R189	06T25277Y33	RES, RK 101J 1/16 -CP
R190	06T25277Y33	RES, RK 101J 1/16 -CP
R191	06T25277Y97	RES, RK 473J 1/16 -CP
R203	06T75433W78	RES, RK 163J 1/4 -CP
R204	06T75433W78	RES, RK 163J 1/4 -CP
R205	06T75433W57	RES, RK 222J 1/4 -CP
R206	06T75433W57	RES, RK 222J 1/4 -CP
R207	06T75433W77	RES, RK 153J 1/4 -CP
R208	06T75433W77	RES, RK 153J 1/4 -CP
R209	06T75433W50	RES, RK 112J 1/4 -CP
R210	06T75433W50	RES, RK 112J 1/4 -CP
R211	06T75434W07	RES, RK 244J 1/4 -CP
R212	06T75434W07	RES, RK 244J 1/4 -CP
R213	06T75433W17	RES, RK 47RJ 1/4 -CP
R214	06T75433W17	RES, RK 47RJ 1/4 -CP
R217	06T75433W68	RES, RK 622J 1/4 -CP
R218	06T75433W68	RES, RK 622J 1/4 -CP
R219	06T75434W07	RES, RK 244J 1/4 -CP
R220	06T75434W07	RES, RK 244J 1/4 -CP
Connectors		
CB101	09T45435W15	FFC, 52207-1590 -ED
CB102	09T45435W07	FFC, 52207-0790 -E9
CB801	09T45435W22	FFC, 52207-2290 -EQ
Miscellaneous		
ANT001	01T15513W30	ASSY, ANT CABLE 7865R
CB801	09T35473Y16	WTB, F169B001-16 -DB
CH401	09T25444Y15	BTB, 55323-1511 -B
CH501	01T35001Y02	ASSY, UNIZON CONN 71A
CH601	01T01885K01	ASSY, CONN 2P
DIN802	01T35496Y05	ASSY, DIN 7875A0
ET330	01T35497Y09	ASSY, WIRE RCA7875A0 (FRONT OUT/REAR OUT/SUB-W)
JK601	09T95460W01	JAC, HSJ0857-01-1010+
LCD401	65T45245Y02	LCD, MF7875A0
M601	59T65085W01	MOTOR, LOAD FF-050SK (NOSE MOTOR/7V-370mA)
SW421	40T45266Y01	ENC, EC11E15245 -B (VOLUME/MODE・BBE)
SW601	40T15494Y07	SW, DETCT SPVG21 -E6 (NOSE CLOSE DET)
SW602	40T15494Y08	SW, DETCT SPVG11 -E6 (NOSE OPEN DET)
DP23S07A		
HD101	81B40519Y01	PICKUP, EP21A65L
M101	01V21600Y50	ASSY, MOTOR-WORM (7V-370mA)
M102	01V21600Y53	ASSY, MOTOR SLED (7V-370mA)
M103	01V21600Y55	ASSY, MOTOR SPINDLE (2V-90mA)
SW1	40T15494Y01	SW, DETCT SPVG23 -E6 (12cm DISC DETECT (EJECT POSITION/ RELOAD))
SW2	40T15494Y02	SW, DETCT SPVG13 -E6 (8/12cm DISC DETECT (INSERT/PULL OUT))
SW3	40T15494Y07	SW, DETCT SPVG21 -E6 (8cm DISC DETECT (EJECT POSITION/ RELOAD))
SW4	40T15494Y01	SW, DETCT SPVG23 -E6 (DISC CHUCKING END DETECT)
SW105	40T71025F03	SW, DETCT SPPB120 (LIMIT)

CDA-7873R

Exploded View (Cabinet) (1/2)



14
14
14
14
A
A
A
2
7
6 X2
6 X2
23
24
13 X2
12
A
C
10
5
CB801
21
D
A
E
22
19
19
20
18
16
ET330
JK601
4
SW602
SW601
28 X2
34
29
SW421
CH401
27
28
26
30
33
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LCD401
32
1
34
11
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6
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B
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E
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8
15 X2
CH501
9
6
6
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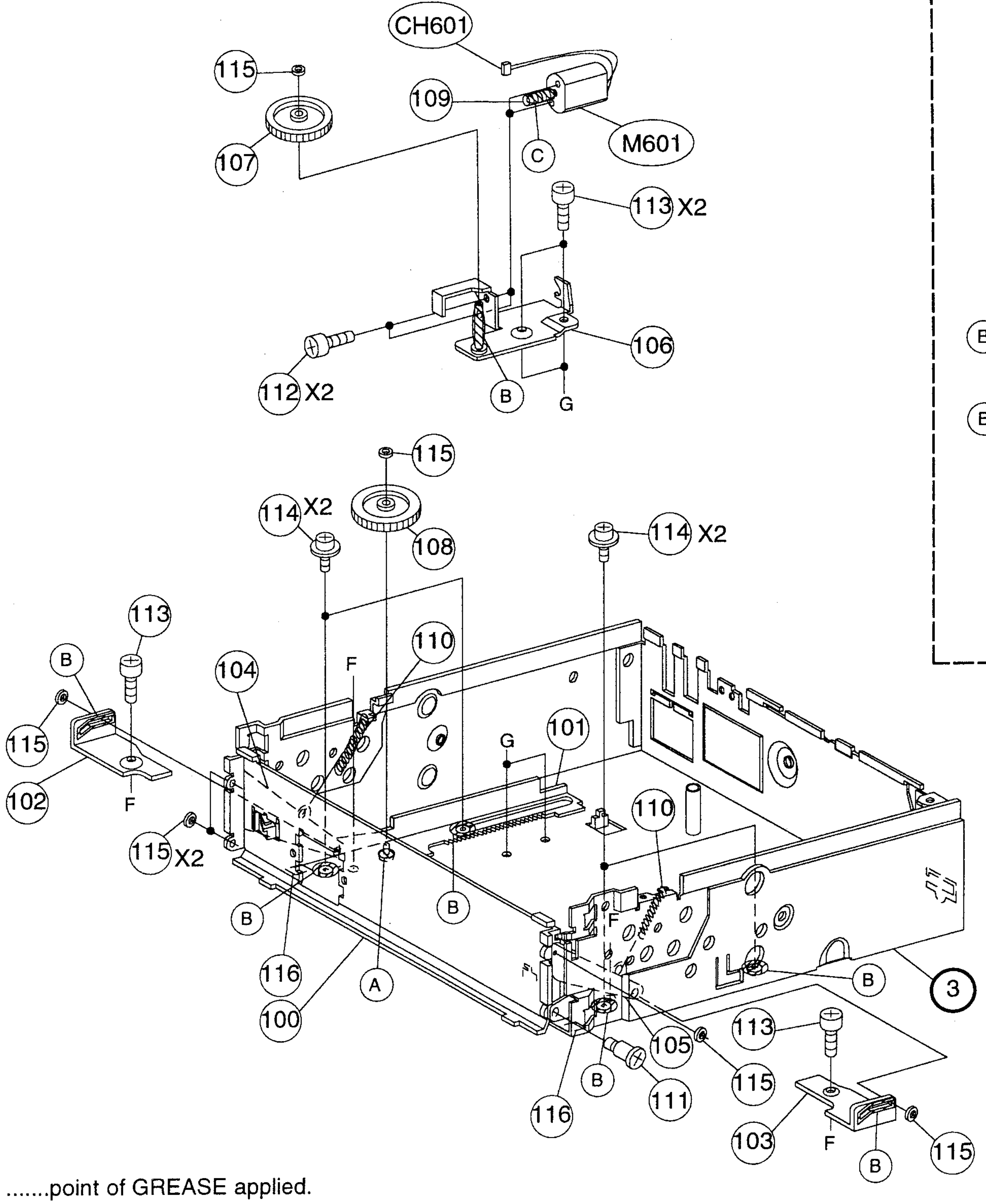
DIN802
6
B
ANT001

Exploded View (Cabinet) (2/2)


CH601
115
109
M601
107
C
113 X2
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112 X2
B
G
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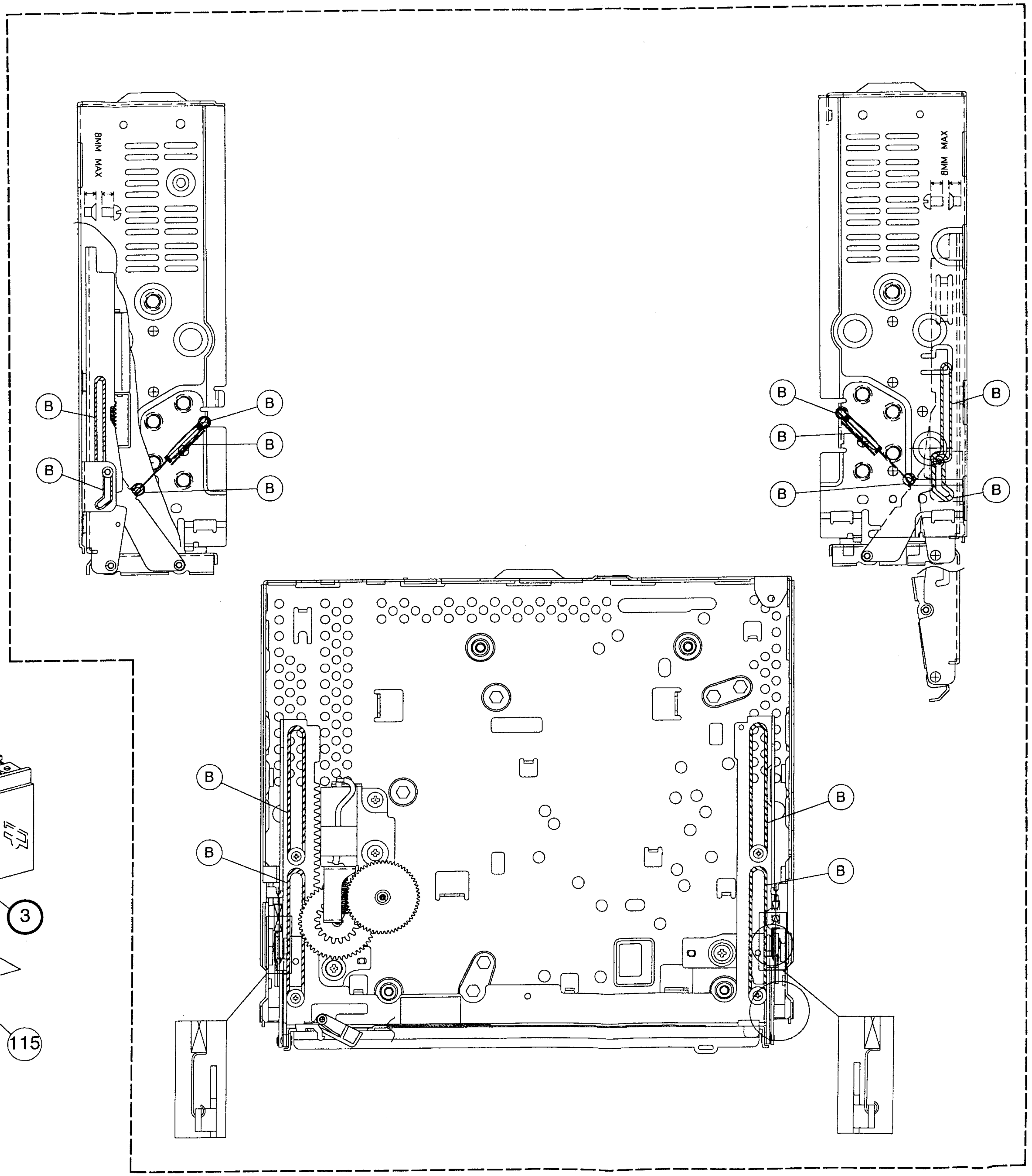
114 X2
108
114 X2
113
B
110
104
F
101
G
115
102
F
110
115 X2
B
B
116
A
100
B
3
113
105
115
B
111
116
103
F
B
115

▨ ....point of GREASE applied.

Ⓐ	GREASE, FG-53C (11S20853Y01)
Ⓑ	GREASE, E PASTE (11S42419J09)
Ⓒ	GREASE SILICON (11S490487)


8MM MAX
8MM MAX
B
B
B
B
B
B
B
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B
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B
B

Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		01V46100Y07	ASSY, NOSE UNIT 73RO
5		13C21370Y02	NOSE, BASE (CD) ASSY
6		03S44205G07	SCR, T-TITE M2. 6X5
7		33C01797K01	FACE, PLATE
8		07D91595W01	BKT, SIDE ASSY
9		07D91595W02	BKT, SIDE (R) ASSY
10		13D21372Y01	NOSE, BASE COVER
11		14S30726Y22	INS, SHEET
13		03S38013W05	SCR, T-TITE M2. 6X16
14		03S71677F02	SCR, T-TITE-B M2. 6X6
15		03S94385F77	SCR, NYLOK M1. 7X3
16		30T45473Y03	FFC, RLW0306-1A
18		77B30901Y01	MB4R9030, FM/AM UNIT (TU001)
19		09T84840F02	LUG, STYLE 32MM
20		36A70327W01	KNOB, SLIDE
23		81D31851Y01	DP23S07A, CD MECH
24		26A41622Y01	SHIELD, PLATE (CD)
26		13D01837K03	NOSE, PIECE ASSY (H)
27		13D40822Y01	NOSE, BOTTOM
28		03S68555F20	SCR, WAVE M1. 7X5
29		41A50111W10	SPRING, KNOB
30		36B41322Y01	KNOB, ROTARY ASSY (M)
31		15D01793K01	CASE, LCD ASSY
32		15B01794K01	COVER, LCD
33		26A41974Y01	REFLECTOR, SHEET
34		75T85248W13	RUBBER, ELECTRIC
100		01C01750K01	ASSY, BKT F BASE
101		07B01757K01	BKT, SLIDER
102		07B01753K01	BKT, BASE L
103		07B01753K02	BKT, BASE R
104		07A01754K01	BKT, ARM (L)
105		07A01754K02	BKT, ARM (R)
106		07C01755K01	BKT, MOTOR
107		44B01846K01	GEAR, CLUTCH ASSY
108		44A01841K01	GEAR, SLIDER
109		44A01840K01	GEAR, WORM
110		41A22014Y01	SPRING, EXTENSION
111		03A20851Y02	SCR, SLIDER
112		03S68259F23	SCR, PWRLOCK M2X3
113		03S94385F13	SCR, NYLOCK M2. 6X3
114		03D40121T56	SCR, MECH (W/W) M2X4
115		04B41345P54	WASHER 1. 7X2. 1X0. 35
116		75S21219Y48	CUSHION RUB 9X4. 5Xt2

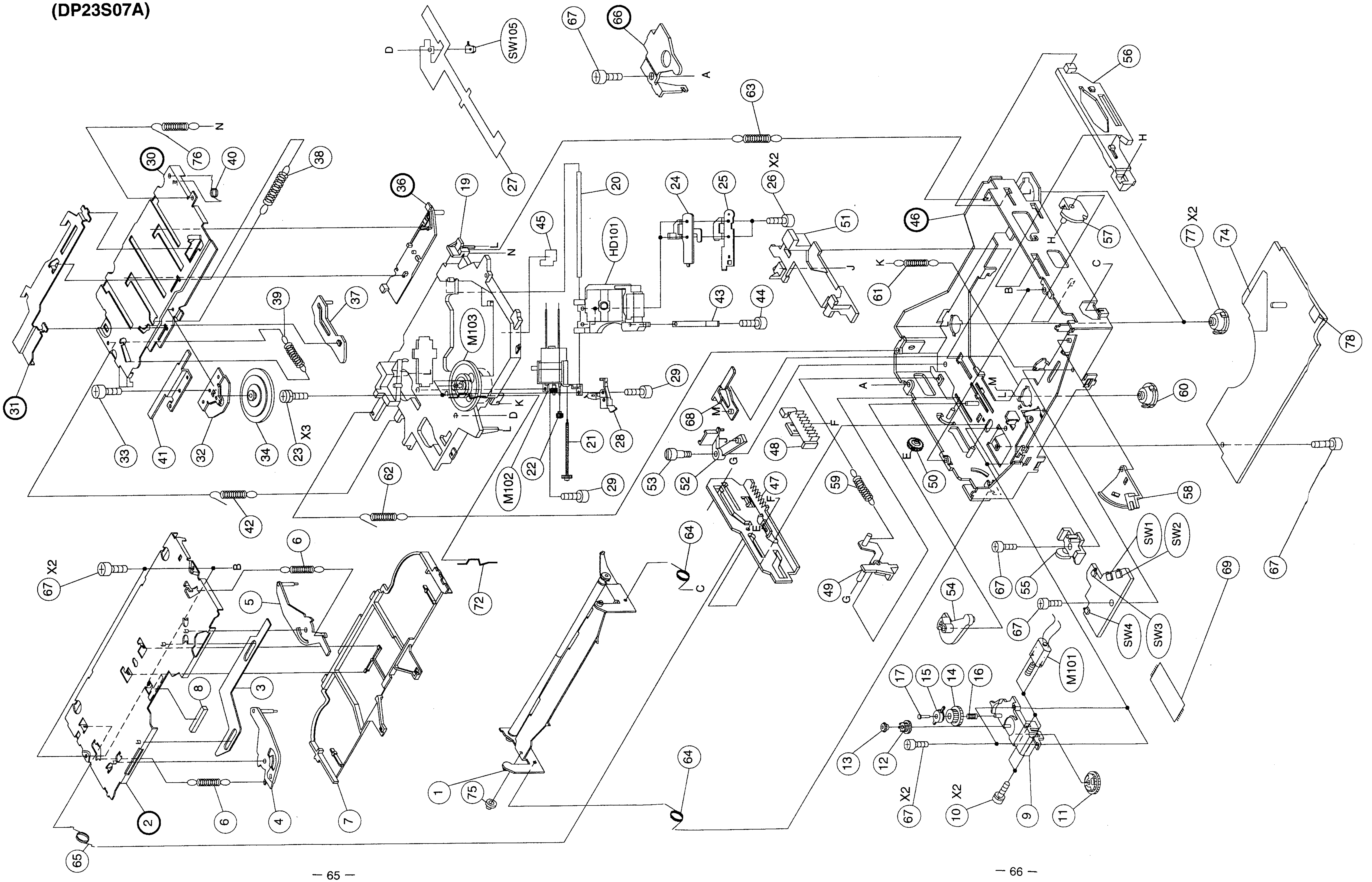
CD Deck Mechanism Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		01V21600Y47	ASSY, ARM GUIDE
3		45B11564Y01	LEVER, LINK-TOP
4		45B11595Y01	LEVER, DISC (R)
5		45B11596Y01	LEVER, DISC (L)
6		41B11613Y02	SPRING, PULL
7		15D11588Y01	GUIDE, TOP DPS
8		75A21286Y01	CUSHION, CLAMPER DP-S
9		07C11584Y01	BKT, MOTOR LOAD
10		03S40014G07	SCR, MCH M2X4
11		44B11578Y01	GEAR, (A)
12		44B11579Y01	GEAR, (B)
13		44B11580Y01	GEAR, (C)
14		44B11582Y01	GEAR, (E)
15		15A11587Y01	HOLDER, CLUCH
16		41A11612Y01	SPRING, COMP
17		47A11571Y01	SHAFT, CLUTCH
19		27D11602Y01	CHASSIS, PICKUP
20		47A11575Y01	SHAFT, PICK
21		01V21600Y54	ASSY, SHAFT SCREW
22		44A70590W04	GEAR, MIDDLE
23		03S72235F96	SCR, MCH M1. 7X3. 5 (SW)
24		07B30337Y01	BKT, SPRING NUT
25		41A11606Y01	SPRING, NUT
26		03S94385F18	SCR, NYLON M2X3. 5
27		84T01803K01	PANEL, FPC CONT
28		41B11566Y01	SPRING, SHAFT
29		03S70494F13	SCR, P-TITE M2X6 BLK
32		07A11565Y01	PLATE, CLAMP
33		03S94385F02	SCR, NYLOK M1. 7X3
34		43A30262Y01	TABLE, CLAMPER-R
37		45A11599Y01	LEVER, ACTUATOR
38		41B11613Y03	SPRING, PULL
39		41B11613Y05	SPRING, LEV-ACT
40		41A11609Y01	SPRING, LEVER
41		41B30747Y01	SPRING, PLATE
42		41B11613Y12	SPRING, PULL
43		41A11040Y01	SPRING, SLED-HOE
44		03S72235F79	SCR, MCH M1. 4X3
45		43A21240Y01	SHEET, FPC PICK
47		45B11560Y01	SLIDER, LOAD
48		44B11586Y01	RACK
49		45A11601Y01	LEVER, TRIGER
50		44B11581Y01	GEAR, (D)
51		45B11594Y01	SLIDER, LOCK (L)
52		45A11592Y01	ARM, LOCK (L2)
53		03A11574Y01	SCREW, LOCK
54		45B11591Y01	ARM, LOCK (L1)
55		07A11585Y01	BKT, MOTOR WIRE
56		45B11593Y01	SLIDER, LOCK (R)
57		45B11607Y01	ARM, LOCK (R)
58		45A11597Y01	LEVER, SW
59		41B11613Y04	SPRING, TRIGER
60		75C30466Y02	DAMPER, DPS2
61		41B11613Y06	SPRING, PULL
62		41B11613Y07	SPRING, PULL
63		41B11613Y08	SPRING, PULL
64		41A11610Y01	SPRING, ROL
65		41A31894Y01	SPRING, SLIDER
67		03A21791Y01	SCREW, M2X3. 5 S-TITE
68		07B20905Y01	BKT, FPC CONT
69		30T15126W15	WIRE, PC JOINT 7P
72		41A21613Y01	SPRING, SPINDOL
74		14A30831Y01	INS, CVR
75		43A31443Y01	ROLLER, ARM DISC (C)
76		41B11613Y14	SPLING, PULL
77		75C30466Y03	DAMPER, DPS2
78		75S40755Y23	CUS, RUB 5X5XT0. 5

Exploded View (CD Deck Mechanism)

(DP23S07A)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77 X2
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67 X2
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